Master of Science in Pharmacy Program in Pharmaceutics (International Program)

Course Title: Master of Science in Pharmacy Program in Pharmaceutics

(International Program)

Master Degree: Master of Science in Pharmacy (Pharmaceutics)

Academic Institution: Faculty of Pharmacy, Departments of Pharmacy and

Manufacturing Pharmacy

Duration: B.E. 2563-2565

Background and Rational:

The patients in developing and underdeveloped countries have difficulty to access the quality medicines because those new medicines are expensive. Because new medicines that are currently in use are mostly imported from abroad, those new medicines are still under patent protection. The medicines are also important essential factor for national security. The solution to such problems is to develop alternatives which include the development of new drugs, new treatments, or new generics for patent expired medicines. However, the development of new drugs needs intensive investment. The development of high quality health herbal products, new generics, and also new drug delivery system are challenging and can be alternatives in patients' treatment. There are a quality processes and format to follow in the development for those quality alternatives worldwide and within the region such as ASEAN COMMON TECHNICAL DOSSIER (ACTD) FOR THE REGISTRATION OF PHARMACEUTICALS FOR HUMAN USE. The pharmaceutics is an important and fundamental knowledge for the development for those quality alternatives.

Graduate Programs in Pharmaceutics, offered by joint collaboration between Department of Pharmacy and Department of Manufacturing Pharmacy, Faculty of Pharmacy, Mahidol University. The graduate program has a long history since it first started in 1975 to offer M.Sc. degree. Since the first Master program in 1975, our graduate study programs have grown considerably and have now become known as one of the best graduate programs among the Faculties of Pharmacy in Thailand. Currently, the Faculty offers an international graduate program in pharmaceutics. The program has been continuously improved to increase the quality of graduate students training and to keep up with forefront knowledge and technology in the field of Pharmaceutics. The Pharmaceutics is the science of research and development of pharmaceutical products, thus the results of the research or application of research in this program are aim to improve the drug formulation, absorption/bioavailability, stability with better delivery system. The research theme includes topics in pharmaceutics, biopharmaceutics, generics formula development, bioequivalence, novel drug delivery system, Absorption Distribution Metabolism Excretion Toxicity (ADMET) properties of new medicines etc. The development are not only for medicines but also extended for health products, functional foods, medicinal herbs, cosmetics, pharmaceutical devices.

All our academic staffs have held Ph.D. degree and have background knowledge covering all in Pharmaceutics fields domestically and internationally (including U.S.A., Europe and Asia). Most of academic staffs have strong experience in academic teaching, post-doctoral research, and research investigation. The research experience of our staffs has been guaranteed by a load of publications with continuation from the past to the present. All academic staffs are allowed to attend scientific international conference and international training course to gain new and updated knowledge, exchange research experience with world class academic/research staffs and strengthen research competencies. The graduate program is formulated to enhance graduates' skills, initiative thinking and academic leadership so that they can transfer knowledge and research experiences to the domestic and international society.

Our graduate programs employ both in- and off-departmental facilities and equipment. All necessary equipment which supports all research work is distributed between the department of pharmacy and department of manufacturing pharmacy. Moreover, there are central laboratory research facilities where all the students can utilize. The teaching and learning facilities used for graduate study are adequate to support all the courses and scientific researches and are managed to meet the requirement of learning activities and scientific research for the lecturers and students in the program. The wireless internet can be reached for all of the rooms. The students have access to study areas for self-study according their convenience upon request.

Objectives:

The medicines and health products are one of the fundamentals of the living, the ultimate objective of the program is extended for the not just only the betterment for the whole international society through quality pharmaceutical product development. We will produce high calibre graduates for the international society who have the innovative thinking and will be responsible for quality pharmaceutical product development in their home countries.

Course Synopsis & Methodology:

1. Study plan:

| Plan | A2 |
|------|----|
|------|----|

| Year | | Semester 1 | | | Semester 2 | |
|------|----------|-----------------------|----------|----------|------------------|-----------|
| 1 | GRID 603 | Biostatistics | 3(3-0-6) | PYPY 601 | Advanced | 3(3-0-6) |
| | PYID 685 | Research Methodology | 2(2-0-6) | | Biopharmaceutics | |
| | | In Pharmacy | | PYPT 601 | Seminar in | 1(1-0-2) |
| | PYMP 641 | Instrumental Research | 1(0-3-1) | | Pharmaceutics I | |
| | | Techniques | | | Elective courses | 8 credits |
| | PYPY 660 | Pharmaceutics | 3(3-0-6) | | | |
| | | Advanced | | | Total 12 credits | |
| | PYMP 642 | Pharmaceutics I | 3(2-3-5) | | | |
| | | Advanced Industrial | | | | |
| | | Pharmacy I | | | | |
| | | Total 12 credits | | | | |

| 2 | PYMP 602 | Seminar in Pharmaceuti | ics I | 1(1-0-2) | PYPT 698 | Thesis | 6(0-18-0) |
|---|----------|------------------------|-----------|-----------|----------|--------|-----------|
| | PYPT 698 | Thesis | | 6(0-18-0) | | | |
| | | Total | 7 credits | | | Total | 6 credits |

7.2 Course Content/Study Topic:

| 1) Required co | ourses | 17 | credits |
|-----------------|---------------------|----|---------|
| 2) Elective cou | irses not less than | 8 | credits |
| 3) Thesis | | 12 | credits |
| | Total not less than | 37 | credits |

1) Required courses 17 credits

Credits (lecture-practice-self-study)

| GRID 603 | Biostatistics | 3(3-0-6) |
|-----------------|---|----------|
| PYID 685 | Research Methodology in Pharmacy I | 2(2-0-4) |
| PYMP 641 | Instrumental Research Techniques in Pharmaceutics | 1(0-3-1) |
| PYPT 601 | Seminar in Pharmaceutics I | 1(1-0-2) |
| PYPT 602 | Seminar in Pharmaceutics II | 1(1-0-2) |
| PYPY 601 | Advanced Biopharmaceutics | 3(3-0-6) |
| PYPY 660 | Advanced Pharmaceutics I | 3(3-0-6) |
| PYMP 642 | Advanced Industrial Pharmacy I | 3(2-3-5) |

Credits (lecture-practice-self-study)

2) Elective courses not less than 8 credits **PYPY 619 Advanced Pharmacokinetics** 3(3-0-6)PYPY 661 Advanced Pharmaceutics II 3(3-0-6)PYPY 662 Cosmeceutical Sciences 3(2-3-5)PYPY 663 Pharmaceutical Product Development I 3(2-3-5)PYPT 603 Special Problems in Pharmaceutics 2(0-6-2)**Industrial Administration PYMP 640** 2(2-0-4)**PYMP 643** Advanced Industrial Pharmacy II 3(2-3-5)**PYMP 644** Unit Operations in Pharmacy 2(2-0-4)**PYMP 645** Manufacturing Process Analytical Technology 2(2-0-4)Pharmaceutical Product Development II **PYMP 646** 3(2-3-5)**PYMP 647** Manufacture of Natural Products 2(2-0-4)

In addition to elective courses mentioned above, a student may register other courses in international program offered by other faculties' equivalent to graduate studies, Mahidol University or the ones offered by other universities according to the student's interest with the approval of the curriculum committee or the advisor.

Thesis

Credits (lecture – practice – self-study) 12(0-36-0)

Applicants Qualifications:

- 1. hold a Bachelor's degree in Pharmacy and meet the requirements set by the Faculty of Graduate Studies
 - 2. have a minimum grade point average of 2.50
- 3. Pass the English Proficiency Examination (MU-GRAD TEST score ≥ 60) offered by the Faculty of Graduate Studies, Mahidol University, or TOEFL iBT 54 up or TOEFL ITP 480 up or IELTS 5.0 up
- 4. Exemption from the above conditions may be granted by the Programme Committee under exceptional circumstances.

Document Required:

Documents required for the applications include the copy of the following documents

- 1. Degree Certificate (English Translated)
- 2. Academic Transcript (English Translated)
- 3. Photo
- 4. Passport
- 5. Curriculum Vitae (CV)
- 6. Health Certificate
- 7. Recommendation Letters (to request via online admission system)
- 8. Additional documents:
 - e.g. Statement of Purpose, Letter of Work Experience, Professional License, Publications, Scholarship Letter, Research Proposal, Concept Paper, etc.
- 9. English Proficiency Score Report (directly sent by the test center

Contacts:

1. Assoc. Prof. Satit Puttipipatkhachorn

Department of Manufacturing Pharmacy, Faculty of Pharmacy,

Mahidol University

E-mail: satit.put@mahidol.ac.th

Telephone: +66 026448677-91 Ext. 1201 Fax: +66 023544326

2. Assoc. Prof. Korbtham Sathirakul

Department of Pharmacy, Faculty of Pharmacy, Mahidol University E-mail: pyksk2001@yahoo.com.sg, korbtham.sat@mahidol.ac.th Telephone: +66 026448677-91 Ext. 1300 Fax: +66 026448694

Program staff:

Assoc. Prof. Satit Puttipipatkhachorn

Department of Manufacturing Pharmacy, Faculty of Pharmacy,

Mahidol University

E-mail: satit.put@mahidol.ac.th

Telephone: +66 026448677-91 Ext. 1201 Fax:+66 023544326

Attachment 2

For more information:

Bureau of International Cooperation on Human Resources Development Thailand International Cooperation Agency (TICA)
Government Complex, Building B (South Zone), 8th Floor,
Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND
Tel. +66 (2) 203 5000 ext. 43305, 43306 Fax: +66 (2) 143 8451

E-mail: tipp@mfa.mail.go.th

***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/territories.

Master of Science/Master of Engineering in Environmental Technology and Management

Course Title: Environmental Technology and Management

Master Degree: Master of Science/Master of Engineering (Environmental

Technology and Management)

Academic Institution: The Joint Graduate School of Energy and Environment (JGSEE),

King Mongkut's University of Technology Thonburi (KMUTT)

Duration: 2 Academic Years (August 2021 – July 2023)

Background and Rationale:

Graduates from the Master of Science/Master of Engineering program in Environmental Technology and Management will demonstrate professionalism through their technical and academic knowledge and capabilities in practical problem-based research, and their morals and ethics towards sustainability and self-sufficiency development pathway, and the society. They will be able to conduct collaborative research and/or technical works at the local, national, and regional (e.g. GMS, ASEAN, etc.) levels on energy related environmental issues, including air quality, acid deposition and regional haze pollution, and global warming and climate change. Their abilities and skills include energy and environmental data and information analysis, diagnosis, and synthesis in order to develop, adapt and select appropriate technologies, methods and approaches, enabling a country to go towards green economy and sustainable development. Their professionalism should significantly benefit countries in the Asia-Pacific region as well as others in the world that are on the way of rapid growth development under the context of globalization.

Objectives

- To produce graduate scientists and engineers who have acquired advanced theoretical and practical knowledge and skill in the fields of energy and environment, professionally capable to analyze and synthesize data into key findings to be disseminated to stakeholders in native language and in English.
- To produce graduate environmental scientists and engineers who possess capabilities to judge what impacts on the environment are related to energy production and use.
- To promote capacity building by hands-on research and energy related environmental issues and challenges solving for both public and private sectors.

Course Synopsis and Methodology:

1. Study plan 40 Credits

| | Plan A2-1 | Plan A2-2 |
|---------------------|-----------|-----------|
| Compulsory | 7 | 7 |
| Specific Compulsory | 9 | 9 |
| Elective | 3 | 3 |
| Thesis | 21 | 12 |
| Internship | - | 9 |
| Total | 40 | 40 |

2. Course content

| 2. Course content | |
|--|-----------|
| 1. Compulsory Courses 7 credits | |
| JEE 611 Seminar | 1 credit |
| JEE 613 Research Methodology | 3 credits |
| JEE 625 Energy and Environmental Economics, Management and Policy | 3 credits |
| 2. Specific Compulsory Courses 9 credits | |
| JEE 667 Environmental Pollution Control Technology | 3 credits |
| JEE 683 Energy and Environment | 3 credits |
| JEE xxx Specific Compulsory (As recommended by advisor)* | 3 credits |
| *Select 3 credits from research focus as recommended by advisor | |
| - Advanced Fuel Processing Laboratory (AFPL) | |
| JEE 658 Renewable Energy Technologies | 3 credits |
| JEE 659 Energy from Biomass | 3 credits |
| - Building Energy Science and Technology Laboratory (BEST) | |
| JEE 647 Design of Suitable Urban Ecology | 3 credits |
| - Tropical Climate Science Modeling Laboratory (TCSM) | |
| JEE 661 Tropical Climates and Boundary Layer Science | 3 credits |
| JEE 664 Atmospheric and Air Quality Modeling | 3 credits |
| - Advanced Greenhouse Gases and Aerosols Research Laboratory (AGAR | (1) |
| JEE 673 Waste and Climate Change | 3 credits |
| JEE 674 Waste to Energy and Its Sustainable Mitigation | 3 credits |
| JEE 685 Climate Change: Physical Science Basis | 3 credits |
| JEE 696 Greenhouse Gas Measurement, Mitigation | |
| and Monitoring Technology | 3 credits |
| - Life Cycle Sustainability Assessment Laboratory (LCSAL) | |
| JEE 671 Life Cycle Assessment | 3 credits |
| JEE 681 Environmental Chemistry and Toxicology | 3 credits |
| JEE 682 Environmental and Health Risk Assessment | 3 credits |
| JEE 684 GIS and Remote Sensing | 3 credits |

| - Other | | |
|-------------------------------|--|-------------|
| JEE 604 Special Study | y II | 3 credits |
| JEE 605 Special Study | y III | 3 credits |
| 2 E1 +: C | 2 14 | |
| 3. Elective Courses | 3 credits | C 11 ' 1' 4 |
| | e as recommended by advisor from th | - |
| JEE 604 Special Study | | 3 credits |
| JEE 605 Special Study | | 3 credits |
| JEE 606 Mathematica | - | 3 credits |
| | ologies for Solid Fuels | 3 credits |
| JEE 647 Design of Su | | 3 credits |
| JEE 649 Energy Entre | preneurship | 3 credits |
| JEE 653 Solar Energy | | 3 credits |
| JEE 656 Energy Effic | iency | 3 credits |
| JEE 658 Renewable E | nergy Technologies | 3 credits |
| JEE 659 Energy from | Biomass | 3 credits |
| JEE 661 Tropical Clin | nates and Boundary Layer Science | 3 credits |
| JEE 664 Atmospheric | and Air Quality Modeling | 3 credits |
| JEE 671 Life Cycle A | ssessment | 3 credits |
| JEE 673 Waste and C | limate Change | 3 credits |
| JEE 674 Waste to Ene | ergy and Its Sustainable Mitigation | 3 credits |
| | al Chemistry and Toxicology | 3 credits |
| | al and Health Risk Assessment | 3 credits |
| JEE 684 GIS and Rem | | 3 credits |
| | nge: Physical Science Basis | 3 credits |
| JEE 691 Climate Char | | 3 credits |
| | Gas Measurement, Mitigation | 3 credits |
| | ing Technology | 3 Grants |
| JEE 703 Selected Top | | 3 credits |
| JEE 713 Selected Top | | 3 credits |
| 1 | | |
| 4. Thesis | | |
| Plan A 2-1 | | |
| JEE 640 Thesis | | 21 credits |
| Plan A 2-2 | | |
| JEE 620 Thesis | | 12 credits |
| 5. Internship | | |
| Plan A 2-2 | | |
| JEE 616 Internship | | 9 credits |
| 6. English Courses (Without 0 | Credit) | |
| ` | English for International Programs | S/U* |
| LNG 602 Thesis Writ | | S/U |
| | ith condition to improve English skill | |
| Jing 101 Bradelits Wi | Silenten to improve Diignon skiii | |

Graduation Conditions:

- Earning credits: The students are required to pass all the subjects (40 Credits) with minimum grade of each subject must be above C and the total average grade (GPA) must be above 3.00
 - Publications and research results: 1 National Journal Paper

Applicant Qualifications:

M.Sc program must hold a first degree in engineering, science, economics, technology, agriculture or related fields. M.Eng program must hold in engineering only, with a minimum GPA of 2.50, or be ranked top 25% of the class. Applicants with other qualifications may be admitted on a case by case basis subject to the approval of JGSEE's Executive Committee.

Document Required:

- A copy of passport (Bio page)
- 1 Inch size photo
- Full transcript with date of graduation
- 3 letters of recommendation
- Tentative proposal
- English proficiency test result (IELTS 6, TOEFL iBT 78, International program within 2 years)

Contact:

Mr. Yuthasak Ngamsaeng

Head of Academic Services Section

Tel: 02-470-8338

E-Mail: yuthasak@jgsee.kmutt.ac.th, yuthasakng@gmail.com

• Mr. Adisorn Jeungprasopsuk

Academic Officer Tel: 02-470-8338

E-Mail: adisorn@jgsee.kmutt.ac.th, adisorn.jeu@mail.kmutt.ac.th

For more information:

Bureau of International Cooperation on Human Resources Development

Thailand International Cooperation Agency (TICA)

Government Complex, Building B (South Zone), 8th Floor,

Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND

Tel. +66 (2) 203 5000 ext. 43305, 43306 Fax: +66 (2) 143 8451

E-mail: tipp@mfa.mail.go.th

***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/territories.

Master of Science Program in Food Science and Technology (International Program)

Course Title: Master of Science Program in Food Science and Technology

(International Program) New Curriculum 2015

Master Degree: Master of Science (Food Science and Technology)

Academic Institution: Faculty of Agro-Industry, Chiang Mai University

Duration: 2 Academic years

Background and Rational:

The International Program of Master's Degree in Food Science and Technology has been approved and provided by Faculty of Agro-Industry, Chiang Mai University, beginning year of the program in Academic Year 2015 as its first semester.

The Master of Science curriculum in Food Science and Technology (International Program) is the curriculum that emphasizing the internationalization by integrating advanced knowledge in the field of Food Science and Technology for food production with quality and safety in response to the demands of the world's market through research process and creation of knowledge. This will lead to the improvement and efficient development of food production and processing on national, South East Asia sub region, and international levels.

This science program on graduate study level, taught in English, will be recruiting both qualified Thai and International students. This program offers an opportunity to a select group of international students to learn and experience how to conduct a research and innovation in the field of Food Science and Technology by focusing on research with the characteristics of cooperation and multi-Interdisciplinary in order to implement acquired knowledge which is beneficial for the industrial development on both national and international levels.

There are many career options for students in the international program after their graduation i.e. Food Scientist, Food Safety Supervisor, Food Safety Inspector, Food Engineering Expert or Supervisor, Nutritionist, Lecturer, Academic Expert, Nutrition Consultant, Food Safety Consultant, Food Processing Consultant, Agro-Industrial business company owner, Factory entrepreneur, Food Product Supervisor, Quality Assurance Supervisor, Agro-Industrial Researcher and Product Development Manager.

Objectives:

1. To produce the graduates who have knowledge, ability and skills to carry out work relevant to food production and food quality control utilizing advanced level food technologies with the research ability in the field of Food Science and Technology. These can be achieved through critical thinking, analyses, and integration of the theoretical concepts on advanced level of Food

Science and Technology so that food industrial based problems or improvement can be resolved effectively.

- 2. To produce the graduates who have virtue, ethics, and maturity in performing the proper profession in both governmental and private sectors with the ability of analytical thinking and tackle problems based on systematic approach and morality.
- 3. To produce the graduates who have the ability in promoting the knowledge at both local and international levels. This will also include knowledge exchange with academics, policy makers, and members of the food industry organization in order to develop such organization in accordance with the international standard.
- 4. To produce the graduates who have good human relations are able to communicate with group members are able to implement of various types of information technology and are able to plan an efficient personal and organizational improvement.

Course Synopsis and Methodology:

Study plan

Length of Program

The program is designed to be two academic years, and the period of study shall not exceed 4 academic years for both Plan A Type A1 and Plan A Type A2

1. Plan A Type A 1

First Year

| First semester | Credits | Second Semester | | Credits |
|--------------------------------|---------|-----------------|-------------------------------------|---------|
| Preparation of thesis proposal | 1 | 601797 | Thesis | 12 |
| Proposing of thesis topic | 1 | | Organizing seminar and presentation | 1 |
| Total | - | | Total | 12 |

Second year

| First semester | | Credits | | Second Semester | Credits |
|----------------|------------------------|---------|--------|------------------------|---------|
| 601797 | Thesis | 12 | 601797 | Thesis | 12 |
| | Organizing seminar and | - | | Organizing seminar and | - |
| | presentation | | | presentation | |
| | | | | Taking the | |
| | | | | comprehensive | |
| | | | | examination | |
| | | | | Defending Thesis | |
| | Total | 12 | | Total | 12 |

Total 36 credits throughout the program

2. Plan A Type A 2

First year

| | First semester | Credits | | Second Semester | Credits |
|--------|--------------------------|---------|--------|---------------------------|---------|
| 604715 | Physical and Engineering | 3 | 601745 | 601745 Advanced Food | |
| | Properties of Foods | | | Processing and | |
| | | | | Technology | |
| 601731 | Advanced Food | 3 | 601775 | Advanced Food Science | 4 |
| | Microbiology | | | and Food | |
| | | | | Analysis | |
| 601758 | Food Research Statistics | 3 | | Elective subject | 3 |
| | Elective subject | 3 | | Organizing seminar and | - |
| | | | | presentation | |
| | Organizing seminar and | - | | Preparation of thesis | - |
| | presentation | | | proposal | |
| | | | | Proposing of thesis topic | - |
| | Total | 12 | | Total | 10 |

Second Year

| | First semester | Credits | | Second Semester | Credits |
|--------|----------------|---------|--------|-----------------|---------|
| 601791 | Seminar 1 | 1 | 601792 | Seminar 2 | 1 |
| 601799 | Thesis | 6 | 601799 | Thesis | 6 |
| | Total | 7 | | Total | 7 |

A total of credits throughout the program will not be lesser than 36 credits

Academic Year (2017)

First Semester: August – December

Second Semester: January – May Summer (Optional): Not available

Curriculum Operation: Semester System (bi – semesters)

One regular semester with no less than 15 weeks

in each semester

Leaning time: in Office hours from Mon. – Fri.

at 08.30 a.m. – 04.30 p.m.)

Field of Research

The International Program provides the advanced learning and research in the field of Food Science and Technology.

Courses

Program of Study

1. Plan A Type A 1

| Degree Requirements | 36 | credits |
|--------------------------------|----|---------|
| A. Thesis 36 credits | | |
| 601797 FST 797 Master's Thesis | 36 | credits |

B. Academic activities

- 1) A student has to organize and present a seminar on the topic related to his/her thesis for at least 3 semesters and students have to attend seminar every semester throughout the studying period
 - 2) The thesis or part of the thesis must
- 2.1) At least 1 master's thesis work or a part of master's thesis work must be published or at least accepted to publish in English in a national journal listed in TCI Tier 1 database and the student's name must be listed as the first author, **and** at least 1 master's thesis work or a part of master's thesis work must be presented in national conference accepted by the field of study and a full paper, written in English with the name of student listed as the first author, must be published in the peer reviewed Proceedings; **OR**
- 2.2) Be granted a patent **and** at least 1 master's thesis work or a part of master's thesis work must be presented in an international conference accepted by the field of study; and a full paper, written in English with the name of student listed as the first author, must be published in the peer reviewed Proceedings.
- 3) A student has to report thesis progression by following the format of results report stipulated by the Graduate School with approval by the Chairman of the Graduate Study Committee every semester

C. Non-credit Courses

- 1) Graduate School requirement : English language
- 2) Program requirement: in accordance with the consent of the adviser or the curriculum committee

D. Comprehensive examination

The student has to send a request form for comprehensive examination to Graduate School which is pre-approved by general or thesis advisers.

2. Plan A Type A2

| D | egre | e Requirer | nents | a minimum of | 36 | credits |
|--------|------|-------------|-----------------------------|------------------|----|---------|
| | A. | Coursewo | ork | a minimum of | 24 | credits |
| | 1. | Graduate | Courses | a minimum of | 24 | credits |
| | 1.1 | Subjects in | side field of concentration | a minimum of | 24 | credits |
| | 1.1. | 1 Required | courses | | 18 | credits |
| 601731 | | FST 731 | Advanced Food Microbiol | ogy | 3 | credits |
| 601745 | | FST 745 | Advanced Food Processin | g and Technology | 3 | credits |
| 601758 | | FST 758 | Food Research Statistics | | 3 | credits |
| 601775 | | FST 775 | Advanced Food Science as | nd Food Analysis | 4 | credits |
| 601791 | | FST 791 | Seminar 1 | | 1 | credit |

| 601792 FST 792 Seminar 2 | credit |
|---|---------|
| 604715 FE 715 Physical and Engineering Properties of Foods 3 | credits |
| | |
| 1.1.2 Elective courses a minimum of 6 | credits |
| The students select elective courses as following: | |
| 601711 Cereal and Legume Chemistry 3 | credits |
| 601712 Carbohydrate in Foods 3 | credits |
| 601722 FST 722 Enzymes in Food Processing 3 | credits |
| FST 723 Minimally Processed Fruits and Vegetables 3 | credits |
| 601724 FST 724 Advanced Food Technology 3 | credits |
| 601729 FST 729 Fresh Product Management 3 | credits |
| FST 742 Food Encapsulation Technology 3 | credits |
| 601743 FST 743 Food Powder Technology 3 | credits |
| 601744 FST 744 Production Technology for Aerated Foods 3 | credits |
| 601746 FST 746 Advanced Marine Biotechnology 3 | credits |
| FST 753 Quality Control and Safety in Marine Products 3 | credits |
| FST 754 Utilization of Seafood Waste in Healthy Foods 3 | credits |
| FST 755 Mathematical Modeling for Bioprocess 3 | credits |
| FST 765 Food for Health 3 | credits |
| 601766 FST 766 Nutrition Labelling of Processed Food 3 | credits |
| 601767 FST 767 Advanced Human Nutrition 3 | credits |
| 601768 FST 768 Protein Functionality and Application 3 | credits |
| 601769 FST 769 Nutrient Metabolism 3 | credits |
| 601770 FST 770 Nutrition in Health and Disease 3 | credits |
| FST 787 Selected Topics in Food Science and Technology 1 1 | credit |
| FST 788 Selected Topics in Food Science and Technology 2 2 | credits |
| 601789 FST 789 Selected Topics in Food Science and Technology 3 3 | credits |
| 601811 FST 811 Dairy Chemistry and Microbiology 3 | credits |
| 601844 FST 844 Advanced Food Stability 3 | credits |
| 603724 PKT 724 Advanced Food Packaging Materials and Testing 3 | credits |
| 603743 PKT 743 Food Packaging Innovation 3 | credits |
| 603752 PKT 752 Food Packaging Design and Marketing 3 | credits |
| 604741 FE 741 Equipment Design in Food Industry 3 | credits |
| 604743 FE 743 Rheology of Foods and Biomaterials 3 | credits |
| 604751 FE 751 Postharvest System Engineering of 3 | credits |
| Agricultural Products | |
| 604761 FE 761 Drying Technology 3 | credits |
| 604762 FE 762 Frying Technology 3 | credits |
| 604764 FE 764 Membrane Technology 3 | credits |
| 604765 FE 765 Extrusion Technology 3 | credits |
| 604766 FE 766 Non-thermal Food Processing 3 | credits |
| 604767 FE 767 Supply Chain Management in Food Industry 3 | credits |

| 604843 | FE 843 | Advanced Kinetic Analysis in Food | 3 | credits |
|--------|--------|---|---|---------|
| | | Process Engineering | | |
| 604844 | FE 844 | Advanced Processing and Biochemistry | 3 | credits |
| | | of Functional Foods | | |
| 604845 | FE 845 | Food Preservation by Pulsed Electric Fields | 3 | credits |
| 604846 | FE 846 | Transport Phenomena in Food Processing | 3 | credits |
| 604847 | FE 847 | Water Activity in Food Process Engineering | 3 | credits |
| 604848 | FE 848 | Fluidization in Food Processing | 3 | credits |
| 604849 | FE 849 | Development of Mathematical Modeling and | 3 | credits |
| | | Simulation in Food Process Engineering | | |
| | | with Visual Basic Applications Programming | | |

or select from subjects with course code level of 700 or above with the consent of the graduate program administrative committee

1.2 Subjects outside field of concentration (If any) with course code level of

700 or above with the consent of the graduate program administrative committee

2. Advanced Undergraduate Subjects - none -

B. Thesis 12 credits 601799 FST 799 Thesis 12 credits

C. Non-credit Courses

- 1) Graduate school requirement: a foreign language
- 2) Program requirement

Students who did not graduate from the field of Food Science and Technology in Bachelor Degree level are required to enroll in the subjects which will not be included as cumulative credits as following;

> 601701 FST 701 Food Microbiology and Chemistry 4 credits 601702 FST 702 Food Processing and Engineering 4 credits

The assessment result will be presented in S/U grading: "S" stands for "satisfactory" and "U" stands for "unsatisfactory" works.

D. Academic activities

- 1) A student has to organize and present a seminar on the topic related to his/her thesis for at least 2 semesters and students have to attend seminar every semester throughout the studying period
- 2) The thesis or part of the thesis must
- 2.1) be published or be processed to ensure that the research results or part of research results are accepted for at least one publication in the international journal or academic article with database at the Tier 1 level or be presented in the academic conference with at least one proceeding and the name of the student must appear as first author for at least one item. The published article must also be in full paper format in the journal with a peer reviewing committee or
 - 2.2) be granted a petty patent or a patent
- 3) A student has to report thesis progression by following the format of results report stipulated by the Graduate School with approval by the Chairman of the Graduate Study Committee every semester

Graduation Conditions:

The Curriculum for Plan A Type A 1 program

- 1. A student must pass the foreign language examination under the requirements set by the graduate school of Chiang Mai University.
 - 2. A student must complete all requirements of the program division.
 - 3. A student must pass the comprehensive examination.
 - 4. A student must successfully pass the thesis defense examination.
 - 5. The whole or part of a thesis must be
- 5.1 Be published or processed to ensure that the research results or part of research results are accepted for at least one publication in the scientific journal or academic article, and be presents in the academic conference with at least one proceeding and the student must appear as the first author for at least in one item. The published article must also be in full paper format in the journal with a peer reviewing committee or
- 5.2 Be granted a petty patent or a patent or be published in the journal or academic article for at least one item or be presented in the academic conference with at least one proceeding and the name of the student must appear as first author for at least one item. The published article must also be in full paper format in the journal with a peer reviewing committee.
- 6. A student must meet the qualifications as outlined in the Chiang Mai University Regulations on student honors, 2023

The Curriculum for Plan A Type A 2 program

- 1. A student must pass the foreign language examination under the requirements set by the graduate school of Chiang Mai University.
- 2. A student must complete the coursework and meet all requirements of the program division.
- 3. A student must earn the cumulative GPA of at least 3.00 and have the GPA of at least 3.00 for subjects in field of concertration.
 - 4. A student must successfully pass the thesis defense examination.
 - 5. The whole or part of a thesis must be
- 5.1 Be published or processed to ensure that the research results or part of research results are accepted for at least one publication in the journal or academic article or be presents in the academic conference with at least one proceeding and the name of the student must appear as the first author for at least in one item. The published article must also be in full paper format in the journal with a peer reviewing committee or
 - 5.2 Be granted a petty patent or a patent.
- 6. A student must meet the qualifications as outlined in the Chiang Mai University Regulations on student honors, 2023.

Applicant Qualifications:

- 1. This will be in accordance with the Chiang Mai University Announcement of Candidates Eligible for Admission to an International Graduate Program for each academic year.
- 2. The students must complete a Bachelor's degree in the field of Food Science and Technology, Food Processing Technology, Packaging Technology, Marine Product

Technology, Product Development Technology, Biotechnology, Nutrition Sciences or other related fields, with a minimum grade point average (GPA) of 2.50 and graduated from either educational institutions accredited by the Office of Higher Education Commission or from other institutions with grade point equivalent to 2.50

3. Pass the fundamental English language qualification and show the proof of English test which must be valid within 2 years from the counting time of the application date. The evidence must indicate the minimum standards in the English language below:

TOEFL Minimum 523 (paper-based) or
Minimum 523 (ITP) or
Minimum 193 (CBT) or
Minimum 69 (IBT) or
IELTS band 5.5 or
CMU-eTEGS 65

- 4. For the lack of evidence or the applicant has the proof of English language which is resulted less scores than the required standards above (no. 3), the approval of admission will be considered on the consent of the curriculum management committee. In case that the applicant is accepted to the program, he/she must take an English proficiency test and provide further the proof of result which passes the requiring standards announced by the Graduate School, prior to submit the thesis topic and draft of proposal.
- 5. Other qualifications apart from those mentioned will be given according to the discretion of the Committee of Graduate Program in the Division of Food Science and Technology.

Document Required:

Application materials:

- 1. A completed application form
- 2. Four 1-inch square photographs of ID/ passport type taken not more than six months.
- 3. An official proof of the applicant's undergraduate degree.
- 4. An official transcript written in English of the applicant's academic records.
- 5. A letter of recommendation written by the head of the applicant's affiliated institution or enterprise.
- 6. The applicant's concept proposal of about 800 1,000 words in one page of A4 paper-typed describing the research outline and/or previous research experience and research work presented at meetings and/or published (if any).
- 7. Official proof of English proficiency such as either the TOEFL or the IELTS with the following score criteria;

| TOEFL | Minimum | 523 (paper-based) or |
|-------|-------------|----------------------|
| | Minimum | 523 (ITP) or |
| | Minimum | 193 (CBT) or |
| | Minimum | 69 (IBT) or |
| IELTS | band 5.5 or | |
| | CMU-eTEGS | 65 |
| | | |

- 8. Copy of Awards/ Certification (If any).
- 9. Additional documents: A copy of valid passport

Contact:

1. Ass. Prof.Dr.Pilairuk Intipunya

Faculty of Agro-Industry,

Chiang Mai University

Tel: 66-53-948246

Fax: 66-53-948-218

Email: pilairuk@hotmail.com

2. Suthinee Songsrikate

Coordinating officer (International Program)

School of Agro-Industry

Faculty of Agro-Industry

Chiang Mai University

Tel/Fax: 66-53-948218

Email: suthinee.s@cmu.ac.th

Website: http://www.agro.cmu.ac.th

For more information:

Bureau of International Cooperation on Human Resources Development

Thailand International Cooperation Agency (TICA)

Government Complex, Building B (South Zone), 8th Floor,

Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND

Tel. +66 (2) 203 5000 ext. 43305, 43306 Fax: +66 (2) 143 8451

E-mail: tipp@mfa.mail.go.th

^{***}The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/territories.

Master of Science Program in AgriScience and Technology (Postharvest) (International Program)

Course Title: AgriScience and Technology (Postharvest) (International Program)

Master Degree: M.Sc. in AgriScience and Technology (Postharvest)

Academic Institution: Division of Postharvest Technology

School of Bioresources and Technology

King Mongkut's University of Technology Thonburi (KMUTT) 126 Pracha-Uthit Road, Bangmod, Thungkru, Bangkok 10140

Duration: 2 years (August 2021 – July 2023)

Background and Rational:

In less-developed countries, both quantitative and qualitative losses of agricultural products extremely variable magnitude occur at all stages of supply chain from production, harvesting, through handling, storage, processing and marketing (wholesale and retail) to final deliver to the consumer. Postharvest losses of agricultural products estimated about 25% of fruits, 40% vegetables and 15-20% grains are wasted during pre-harvest and post-harvest period. Hence the elimination of losses in agricultural products is important to augment food availability and food security for human in every nation.

In Thailand, there are plenty of raw agricultural commodities, which are produced for local market. The quality of such products is seldom adequate for export markets. At present, the export potential of the tropical to temperate zone is more quantity but the serious limitations are the failure to maintain the quality of produce and lack of appropriate handling techniques to reduce losses at harvest and after harvest. Therefore, King Mongkut's University of Technology Thonburi, feeling it had a key role to play, established the Postharvest Technology Program in 1993 to be response for graduate programs, research and development with the application of adequate technologies to solve the problem of losses and to control the quality of raw agricultural products after harvest.

In line with the government policy to improve the relationship between Thailand and ASEAN members as well as other partnership. KMUTT is willing to assist our partnership to develop human capabilities including training and technical exchanges. In doing this, the postharvest technology division is being conducted in English and accepted students from the Indochina, ASEAN and other regional countries. Students will be encouraged to do work in which research directions are motivated by problems in their countries to satisfy the country needs.

The division of postharvest technology offers graduate work leading to Master of Science in AgriScience and Technology (Postharvest) with majors in pre-harvest and postharvest

technology of perishable crops, postharvest technology of cereals and grain legumes. With a major, the main areas of specialization are physiology, entomology, pathology and engineering. The facilities available for graduate training include green house, laboratory of postharvest physiology, laboratory of postharvest enzymes and molecular biology, packinghouse unit and others. Graduate work in this division is designed to develop a high order of independent thought, broad knowledge and technical skills. The emphasis in graduate work is placed on research, supplemented by courses and seminars.

Objectives:

To develop an effective graduate program in postharvest technology by promoting research activities to meet national and international needs as well as promoting linkages between institute. In addition, to produce qualified students with knowledge and ability to solve problems on pre and postharvest losses of agricultural products.

Course Synopsis and Methodology:

1. Study plan

| 1st Year/ 1st Sem | <u>ester</u> Credit (I | Lecture-Practical-Shelf study) |
|-------------------|---|--------------------------------|
| Code | Subject | (hour/week) |
| PHT 601 | Research Techniques in Postharvest | 3 (2-3-7) |
| | Technology | |
| PHT 621 | Postharvest Handling System of Perishable | 3 (2-3-7) |
| | Crops | |
| PHT xxx | Elective 1 | $\underline{3}$ (x-x-x) |
| PHT xxx | Elective 2 | $\underline{3}$ (x-x-x) |
| | Total | 12 |
| | Accumulative credit | 12 |
| 1st Year/ 2nd Sen | nester Credit (Le | cture-Practical-Shelf study) |
| Code | Subject | (hour/week) |
| PHT 612 | Agricultural Production Systems | 3 (2-3-7) |
| PHT 691 | Seminar in Postharvest Technology I | 1 (0-2-7) |
| PHT 699 | Thesis | 2 (-(|
| PHT xxx | Elective 3 | $\underline{3}$ (x-x-x) |
| | Total | 9 |
| | Accumulative credit | 21 |
| 2nd Year/ 1st Sen | nester Credit (Le | cture-Practical-Shelf study) |
| Code | Subject | (hour/week) |
| PHT 698 | Special Problem | 3 (0-3-9(|

| PHT xxx | Elective 4 | <u>3</u> (x-x-x) | | |
|---|--------------------------------------|------------------|--|--|
| PHT 699 | Thesis | 3 (-) | | |
| | 9 | | | |
| | Accumulative credit | | | |
| 2 nd Year/ 2 nd Ser | cture-Practical-Shelf study) | | | |
| Code | Subject | (hour/week) | | |
| PHT 692 | Seminar in Postharvest Technology II | 1 (0-2-7) | | |
| PHT 699 | Thesis | 7 (-) | | |
| | 8 | | | |
| | Accumulative credit | 38 | | |

Estimated timeline for thesis plan

Submission of thesis proposal : February 2022

Thesis proposal examination: May 2022

First thesis progressive examination : December 2022 Second thesis progressive examination : May 2023

Comprehensive examination : July 2023 Thesis defense examination : December 2023

2. Course Content

The division of postharvest technology offers graduate work leading to Master of Science in AgriScience and Technology (Postharvest) with majors in pre-harvest and postharvest technology of perishable crops, postharvest technology of cereals and grain legumes. With a major, the main areas of specialization are physiology, entomology, pathology and engineering. The facilities available for graduate training include green house, laboratory of postharvest physiology, laboratory of postharvest enzymes and molecular biology, packinghouse unit and others. Graduate work in this division is designed to develop a high order of independent thought, broad knowledge and technical skills. The emphasis in graduate work is placed on research, supplemented by courses and seminars.

CURRICULUM

Course Requirement

| 1. Compulsory Courses 14 credits | |
|---|-----------|
| PHT 601 Research Techniques in Postharvest Technology | 3 (2-3-7) |
| PHT 612 Agricultural Production Systems | 3 (3-0-9) |
| PHT 621 Postharvest Handling System of Perishable Crops | 3 (2-3-7) |
| PHT 691 Seminar in Postharvest Technology I | 1 (0-2-7) |
| PHT 692 Seminar in Postharvest Technology II | 1 (0-2-7) |
| PHT 698 Special Problem | 3 (0-3-9) |
| 2. Electives in Postharvest Technology Courses 12 credits | |
| PHT 602 Statistics for Agricultural Research | 3 (2-3-9) |

| PHT 603 Agricultural Information Systems | 3 (2-3-9) |
|--|------------|
| PHT 611 Postharvest Losses of Agricultural Products | 3 (3 0 9) |
| PHT 622 Postharvest Physiology and Technology of Agricultural Commodities | 3 (3-0-9) |
| PHT 623 Postharvest Handling System of Ornamental Plants | 3 (2-3-7) |
| PHT 624 Fresh-cut Technology for Fruits and Vegetables | 3 (2-3-7) |
| PHT 631 Postharvest Handling System of Cereals and Grains | 3 (3-0-9) |
| PHT 632 Postharvest Technology of Seeds | 3 (2-3-7) |
| PHT 651 Smart Farming Systems and Emerging Technology | 3 (3-0-9) |
| PHT 652 Management System Designs of Packing House for Agricultural | 3 (3-0-9) |
| PHT 653 Produce Packaging System | 3 (2-3-7) |
| PHT 661 Postharvest Insect Pest of Agricultural Products | 3 (2-3-7) |
| PHT 662 Postharvest Pathology of Agricultural Products | 3 (2-3-7) |
| PHT 671 Supply Chain Management and Logistics for Agricultural Commodities | 3 (3-0-9) |
| PHT 672 Quality Management of Agricultural Produce | 3 (3-0-9) |
| PHT 673 Business Management of Agricultural Commodities | 3 (3-0-9) |
| PHT 697 Selected Topics in Postharvest Technology | 3 (3-0-9) |
| 3. Master Thesis | |
| PHT 699 Thesis | 12 credits |

Graduation Conditions:

Students who want to graduate must fulfill the requirements as the follows;

- Students must complete study according to curriculum structures.
- Students must fulfill the program requirement with a GPA of at least 3.00.
- Students must pass a comprehensive examination.
- Pass a thesis defense examination with the result "PASSED".
- Before being awarded a degree, students need to have their research work published in recognized national or international journals/proceeding, or their equivalent.

Applicant Qualifications:

Applicants must hold a Bachelor's Degree in Engineering or Science (Agriculture, relevant Biological or Environmental Science, Food technology) average (GPA) of 2.75 or must has an experience in professional work at least 1 year.

Document Required:

- Application form
- Completed transcript record
- Curriculum vitae
- Health examination certificate (**not over than 3 months**)
- Statement of academic background in bachelor's degree including brief of research experience
- Statement of study plan in Thailand

Contact:

1. Contact person for the detail of study program

Assoc. Prof. Dr. Varit Srilaong

Division of Postharvest Technology

School of Bioresources and Technology

King Mongkut's University of Technology Thonburi

126 Pracha-Uthit Road, Bangmod, Thungkru, Bangkok 10140

Email: varit.sri@kmutt.ac.th; Tel: +66-2-470-7726; Mobile: 089-449-0232

2. Program coordinator/ Student administrator

Assoc. Prof. Dr. Varit Srilaong

Division of Postharvest Technology

School of Bioresources and Technology

King Mongkut's University of Technology Thonburi

126 Pracha-Uthit Road, Bangmod, Thungkru, Bangkok 10140

Email: varit.sri@kmutt.ac.th; Tel: +66-2-470-7726; Mobile: 089-449-0232

For more information:

Bureau of International Cooperation on Human Resources Development

Thailand International Cooperation Agency (TICA)

Government Complex, Building B (South Zone), 8th Floor,

Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND

Tel. +66 (2(203 5000 ext. 43305, 43306 Fax: +66 (2(143 8451

E-mail: tipp@mfa.mail.go.th

^{***}The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/territories.

Master of Public Health (Global Health) (International Program)

Course Title: Master of Public Health in Global Health

Programme (International Programme)

Master Degree: Master of Public Health (Global Health)

M.P.H. (Global Health)

Academic Institution: Faculty of Public Health, Thammasat

University

Duration: Independent Study (capstone project) 1 Year

Thesis Research 2 Years

Background and Rational

The 20th century public health paradigm must be transformed into a 21st century global health model of partnership created on principles of equality, transparency, mutual interest, and respect in order to effectively address critical problems in population health. The Thammasat Faculty of Public Health is leading the way to develop international collaborations in education and research reflecting this new model. Our priorities include developing a graduate programme that defines global health from a socio-political perspective with an emphasis on interregional capacity building applying a South-to-South focus (Africa, Asia-Pacific and Middle East).

While enormous progress has taken place in aspects of biomedical science, the tools of public health and management, and social and political engagement, it is only when these elements come together that we have seen real and lasting strides in improving the health and wellbeing of the world's disadvantaged citizens. By using our collective multidisciplinary and multisector experiences, resources, and expertise we can help change the fundamentals of global health. Not alone in narrow disciplines, but through partnerships that draw on differing perspectives, differing knowledge and experience, and differing priorities. Understanding how to mobilize such partnerships, how to make them most effective, and where to turn for experience empowers us at the global stage. The programme aims to produce the intellectual foundation supporting a 21st century model of global health.

Objectives:

The programme's objectives, expressed as core and functional competencies, that students are expected to achieve are as follows:

Core competencies

- Analyse the major underlying determinants of ill population health in countries and identify how human rights and social justice concepts and instruments provide a framework to promote global health.
- Analyse the political dimension of global health, including the processes by which health diplomacy influences the adoption and enforcement international laws, conventions, agreements, norms and standards through global actors and transnational networks. This should include the domains of trade, labour, food supply, the environment,

- pharmaceuticals, international aid, human rights, and conflict.
- Analyse the principles and practices that foster collaborative and multi-stakeholder design, management, and evaluation of programmes in middle- and low-income countries to assure equitable access to quality health services.

Functional competencies

Information for decision-making

- Conduct effectively literature review and analyses
- Use effectively appropriate research methods including quantitative and qualitative approaches (epidemiologic, bio-statistical, and content analysis techniques for data analysis).
- Analyse global and regional burdens of the most important health problems contributing to excess morbidity and mortality in middle- and low-income countries, including their magnitude and distribution.
- Analyse disparities in health status by gender, race, ethnicity, rural/urban status, and economic class, and other relevant determinants in the context of existing epidemiological, bio-statistical, and qualitative data.
- Effectively apply communication concepts, skills and techniques for awareness raising and advocacy in decision-making

Design, management and evaluation

- Use effectively information for programme design in order to develop evidence-based, realistic and innovative programme responses to the underlying determinants of health inequities and disease.
- Understand and use management techniques that promote sustainability and costeffectiveness of programmes.
- Assess the appropriateness of population-based intervention strategies to address major health problems in middle- and low-income settings, including locally determined priorities and their efficacy, cost-effectiveness, and feasibility in reaching all segments of the population.
- Identify and apply effective strategies for community development, systems advocacy; public awareness; policy advocacy; global diplomacy
- Apply collaborative and culturally relevant leadership skills to implement evidence-based policies and plans to solve public health problems in national and global settings.
- Evaluate and establish priorities to improve the health status of populations in middleand low-income settings, with focus on applying integrated strategies.

Capacity development for global health

- Analyse and explain the economic, social, political, and academic conditions that impact capacity development.
- Apply systems thinking to enhance capacity development in countries.

Course Synopsis and Methodology:

The international Master of Public Health (MPH) is the most widely recognized professional degree for leadership in public health. The MPH (Global Health) Programme at Thammasat University offers a rigorous curriculum with a concentration in global health that attracts dedicated and ambitious professionals with a passion to build a career in the global public

health arena. The programme's core coursework aims to develop candidates' key public health competencies and skills using cases and examples illustrating the global-local interface. The MPH programme at Thammasat University applies a highly interactive, student-centered and problem-based learning approach.

All MPH (Global Health) students are required to complete a set of public health core courses. In addition, students must enroll in a set of global health concentration courses. Students can then opt either for thesis research or an independent study plan (capstone project) complemented by elective coursework to reach a minimum total of 45 study credits.

STUDY PLAN

The programme is designed to offer 2 study plans namely:

Plan-A: Thesis Research which encompasses up to 13 months (comprising of 1-month pre-programme seminars plus 3 consecutive terms) of full time on campus study followed by up to 12 months (3 consecutive terms) field based study to complete thesis research.

Plan-B: Independent Study which encompasses 15 months of full time on campus study (comprising of 1-month pre-programme seminars plus 3 consecutive terms plus 2 months for report writing and wrap-up).

COURSE CONTENT/STUDY TOPIC:

Public Health Core Courses (3 credits each)

GH600 Social Determinants of Health

GH601 Physical Environments and Health

GH602 Applied Epidemiology

GH603 Applied Biostatistics

GH604 Policy Development & Analysis

GH605 Foundations of Global Health-1 (exchange)

Global Health Concentration Courses (2 credits each)

GH610 Human Security: A Global Perspective

GH611 Human Rights and Global Health

GH612 Mobility and Global Health

GH613 Disease Control and Global Health

GH614 The Political Economy of Global Health

GH615 Research Methods in Global Health

GH616 Globalization and Health Systems

GH617 Foundations of Global Health-2 (exchange)

GH618 Global Health Practicum (exchange)

Elective Courses Eco-Health (2 credits each)

GH620 Eco-systems and Health

GH616 Globalization and Health Systems

GH622 One Health Management

GH623 Seminars in Eco and One Health

Elective Courses Non-Communicable Diseases (2 credits each)

GH630 Reframing Non-Communicable Diseases

GH631 Global Health and Ageing

GH632 Global Mental Health

GH633 Public Nutrition and Global Health

GH634 Violence and Global Health

Elective Courses Crisis and Health (2 credits each)

GH640 Public Health and Natural Hazards

GH641 Epidemic Management and Control

GH642 Public Health and Conflict

Elective Courses Leadership and Management (2 credits each)

GH650 Strategic Management and Leadership

GH652 Public Health Management

GH653 Program Evaluation

General Electives Courses

GH800 Thesis Research

| GH660 Measurement in Global Health | (2 credits) |
|---|-------------|
| GH662 Health in Detention | (2 credits) |
| GH663 Special Topics in Global Health | (1 credits) |
| GH664 Special Topics in Global Health | (2 credits) |
| GH665 Special Topics in Global Health | (3 credits) |
| GH666 Qualitative Approaches to Inquiry | (3 credits) |
| GH667 Health Literacy Assessment and Intervention | (2 credits) |
| GH668 Environmental Threats and Global Health | (2 credits) |
| GH700 Independent Study | (6 credits) |

Applicant Qualifications

- Hold at least a bachelor's degree or equivalent from domestic or overseas educational institutions accredited by the Thammasat University Council.
- Have a minimum cumulative grade point average of 2.75 or equivalent.
- For all non-native speakers, proven English language proficiency is a precondition for programme enrolment.
 - Minimum TOEFL score of PBT 550 or CBT 213 computer-based or iBT 79 or Minimum IELTS 6.0

(15 credits)

• Preferably, have a proven minimum of two years professional experience.

Document Required

- Completed application form
- Copy of degree certificates
- Copy of degree transcripts
- Copy of TOEFL or IELTS test score sheet
- Copy of valid passport
- Letter of reference
- Letter of motivation
- Medical certificate

Contacts Faculty of Public Health, Thammasat University

Office: 02-564-4440-79 Tel: 092-8962395 Fax: 02-516-2708

Email: oip-admissions@fph.tu.ac.th Website: http://fph.tu.ac.th/en

Coordinators Ms. Sirada Sahaimitr

Ms. Samittra Pornwattanavate

For more information:

Bureau of International Cooperation on Human Resources Development Thailand International Cooperation Agency (TICA)
Government Complex, Building B (South Zone), 8th Floor,
Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND
Tel. +66 (2) 203 5000 ext. 43305, 43306 Fax: +66 (2) 143 8451

E-mail: tipp@mfa.mail.go.th

***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/ territories.

Master of Science in Pharmacy Program in Clinical Pharmacy (International Program)

Course Title: Master of Science in Pharmacy Program in Clinical Pharmacy

(International Program)

Master Degree: Master of Science in Pharmacy (Clinical Pharmacy)

Academic Institution: Faculty of Pharmacy, Departments of Pharmacy

Duration: 1 - 2 years B.E. 2563-2565

Background and Rational:

Current circumstances or economic development that are taken into account for curriculum planning are derived from a framework of Economics and Social Development Plan No. 12 (2017-2022). It is under the management philosophy of sufficient economy to accommodate the changes that have affected both positive and negative aspects for Thailand. This strengthens and utilizes existing potentials to be beneficial for country development by giving priority to local economy focusing on the solidification of the production base in agriculture and adaptation to link with global and regional economy. Thailand has an obligation under the framework of multiple co-operations to take an appropriate step towards the ASEAN Economics Community (AEC) in 2015. Therefore, the establishment of human development and wisdom and learning society are in need. In addition, the strategic goals of the national policy on drug strategy 2011 and the development of national drug policy 2011-2016 aim for prevention and the improvement of healthcare standards to the public. Those embrace quality assurance, safety and effectiveness of drugs, promoting the rational use of drugs, promoting equitable access to medicines sustainably and promptly, creating pharmacovigilance system, and developing pharmaceutical industry for long self-sustainable. The National Health Security Office (NHSO), an organization under the supervision of the Ministry of Public Health, has main responsibility in the effective management of the National Health Security Fund. NHSO developed health service systems to assure that the public can access to the qualified services to accomplish the vision, said "Everyone who lives in Thailand is under the Universal Healthcare Coverage Scheme". A mission related to public health is to improve healthcare services under various health insurance schemes for quality standards that are accessible to everyone and satisfy to citizens and service providers.

However, considering the high cost of healthcare including the cost of medicines and medical supplies in Thailand, this could be caused by irrational drug use or the patient's non-adherence to treatments. Consequently, patients do not gain treatment benefits as it should be, or need to change treatment modalities or medications that commonly lead to higher medical expenses. Moreover, Thailand is entering to an aging society which this population needs cautions in drug use. Such problems can be prevented by health professional co-operation as multidisciplinary team. Fulfilling of this co-operation can improve the overall healthcare

standards in the public. The pharmacist, a key mechanism as drug expert in a multidisciplinary team, can take the role of clinical pharmacy into action.

Currently, the operational benchmarks for professional hospital pharmacy has been established for use as a guidance in pharmaceutical care or clinical pharmacy services for both governmental and private hospitals. Clinical pharmacy services have been designated as one of the standard professional pharmacist operations to support the roles of hospital pharmacists in patient care, which require skills and knowledges of clinical pharmacy-related activities. This was conducted in parallel with the development of hospital accreditation, one of the indicators used to certify hospital pharmacy services across the country. In order to comply with the philosophy of Mahidol University said, "True success is not in the learning, but in its application to the benefit of mankind", the operations to achieve these objectives require skillful staff who can integrate knowledges in healthcare and social sciences effectively. Pharmacist who expertises in clinical pharmacy is considered as the priority, which is preferred by both the public and private organizations to foster success as mentioned above.

As a result of less skillful clinical pharmacists and low rate of pharmacists pursuing continuing education in clinical pharmacy, Faculty of Pharmacy Mahidol University, as the main entity responsible for administration of clinical pharmacy program, has updated its curriculum for Master of Science (M.Sc.) Program in Clinical Pharmacy (International program) according to the 12th National Economics and Social Development Plan (2017-2022), the national strategic plan on drug policy (2011), and the national drug system development strategy (2011-2016) with the aims to develop personnel working in both government and private healthcare organizations with high-level competency, proficiency, creativity, morality and ethics in pharmaceutical care, excellent communication skill and health-related technology, and be capable of developing applicable knowledge through clinical research that satisfy the users. In addition, such personnel can be able to prevent and solve healthcare problems by assuring quality, safety, and effectiveness of drugs, promoting rational drug use and equal, sustainable and timely access to essential medicine, creating effective surveillance mechanisms for drug utilization and facilitating development of pharmaceutical industry for sustainable self-reliance of the nation. Faculty of Pharmacy Mahidol University is ready in terms of faculty members, research materials and facilities, laboratory for clinical research, buildings and academic partners to support the M.Sc. program which in turn gear up national economics and help maximize the benefit of knowledge in clinical pharmacy for developing the country in the future.

Objectives:

After completion their study, students will have characteristics which comply with Thailand Quality Framework standard as follows:

- 1. Possess moral, ethics and professional ethics, including ethics for human research and research code of conduct
- 2. Possess knowledge that is relevant to clinical pharmacy research and practice

- 3. Possess cognitive skills in searching, analyzing, synthesizing relevant information and effectively conducting research, and advance clinical pharmacy research and practice
- 4. Express opinions, be academic and professional leader, possess creative ideas, social responsibility, interpersonal and interactive skills
- 5. Possess appropriate communication skill and informative technology utilization for various groups in both academic and professional sectors along with ability to use information technology to analyze and present research data effectively

Expected Learning Outcomes

On successful completion of the program students will be able to:

- 1. Apply knowledge on characteristics of diseases and pharmacotherapy principle.
- 2. Inter-relate pharmacotherapy principles to practice.
- 3. Analyze drug-related problems or disease problems, develop solutions and justify professional decisions.
- 4. Demonstrate moral, ethics and professional ethics in accordance to social norm and professional standard along with personal accountability in executing professional decisions, leadership, communication and application of knowledge and skills.
- 5. Appraise and critically evaluate published information and present it in written or oral format using appropriate information technology technique.
 - 6. Conduct clinical pharmacy research.

Course Synopsis & Methodology:

1. Study plan:

| Year | Semester 1 | | | Semester 2 | 2 | |
|------|------------|------------------------------|-----------|------------|-----------------------|------------|
| 1 | PYCP 666 | Pharmaceutical Care I | 3(3-0-6) | PYCP 668 | Clinical Pharmacy and | 3(2-3-5) |
| | | Research | | | Clerkship I | |
| | PYID 685 | Methodology in Pharmacy I | 2(2-0-4) | PYCP 648 | Seminar in Clinical | 1(1-0-2) |
| | | | | | Pharmacy I | |
| | | Elective Courses | 6 credits | | Elective Courses | 6 credits |
| | | | | | | |
| | | Total | 11credits | | Total | 10 credits |
| 2 | PYCP 649 | Seminar in Clinical | 1(1-0-2) | PYID 698 | Thesis (continued) | 6(0-18-0) |
| | | Pharmacy II | | | | |
| | PYCP 670 | Special Problems in Clinical | 2(0-6-2) | | | |
| | | Pharmacy | | | | |
| | PYID 698 | Thesis | 6(0-18-0) | | | |
| | | | | | | |
| | | Total | 9 credits | | Total | 6 credits |

2. Course Content/Study Topic:

Program Structure

Credit Requirements

Credit requirements of the program were set according to the Ministry of Education Announcement titled "Standard Criteria for Graduate Studies 2005," with specified plan 2 curriculum.

| Total no less than | 36 credits | 36 credits |
|--------------------------------|------------|------------|
| 3. Thesis | | 12 credits |
| 2. Elective Courses (at least) | | 12 credits |
| 1. Required Courses | | 12 credits |

Required Courses

| Course ID | Course Name | Credit(s) |
|-----------|---------------------------------------|-----------|
| PYID 685 | Research Methodology in Pharmacy I | 2 (2-0-4) |
| PYCP 648 | Seminar in Clinical Pharmacy I | 1 (1-0-2) |
| PYCP 649 | Seminar in Clinical Pharmacy II | 1 (1-0-2) |
| PYCP 666 | Pharmaceutical Care I | 3 (3-0-6) |
| PYCP 668 | Clinical Pharmacy and Clerkship I | 3 (2-3-5) |
| PYCP 670 | Special Problems in Clinical Pharmacy | 2 (0-6-2) |

Elective Courses

Elective courses can be any graduate-level courses offered within Mahidol University or other universities with approval from the program director, major advisor, or program administrative committee. Listed below are examples of elective courses offered by the Faculty of Pharmacy, Mahidol University.

| Course ID | Course Name | Credit(s) |
|-----------|------------------------------------|-----------|
| GRID 603 | Biostatistics | 3 (3-0-6) |
| PYCP 627 | Therapeutic Drug Monitoring | 3 (3-0-6) |
| PYCP 644 | Drug Information Service | 2 (2-0-3) |
| PYCP 667 | Pharmaceutical Care II | 3 (3-0-6) |
| PYCP 669 | Clinical Pharmacy and Clerkship II | 3 (2-3-5) |
| PYCP 704 | Rational Drug Use | 2 (2-0-4) |
| PYCP 689 | Pharmacotherapeutics in Geriatrics | 2 (2-0-4) |
| PYCP 703 | Pharmacovigilance | 3 (3-0-6) |

Thesis

| Course ID | Course Name | Credit(s) |
|-----------|-------------|-------------|
| PYCP 698 | Thesis | 12 (0-36-0) |

Applicants Qualifications:

- 1. Degree holding and cumulative GPA
 - Graduated with a Bachelor Degree in Pharmacy or Doctor of Pharmacy (Pharm.D.) from programs accredited by the Office of Higher Education Commission (OHEC) with GPA of at least 3.50
- 2. Have an English proficiency test score as the requirement of Faculty of Graduate Studies
- 3. Other exceptions will be considered by the Program Director and the Dean of Faculty of Graduate Studies, Mahidol University.

Document Required:

- 1. Application form
- 2. Transcript
- 3. Certificate of English of proficiency
- 4. Statement of purpose and draft of thesis proposal

Contacts:

1. Assoc. Prof. Dr. Pramote Tragulpiankit

Department of Pharmacy,

Faculty of Pharmacy, Mahidol University

pramote.tra@mahidol.ac.th

Telephone: +66 026448677-91 Ext. 1300 Fax: +66 026448694

2. Assoc. Prof. Dr. Naeti Suksomboon

Department of Pharmacy, Mahidol University

Faculty of Pharmacy, Mahidol University

Naeti.suk@mahidol.ac.th

Telephone: +66 026448677-91 Ext. 1300 Fax: +66 026448694

For more information:

Bureau of International Cooperation on Human Resources Development

Thailand International Cooperation Agency (TICA)

Government Complex, Building B (South Zone), 8th Floor,

Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND

Tel. +66 (2) 203 5000 ext. 43305, 43306 Fax: +66 (2) 143 8451

E-mail: tipp@mfa.mail.go.th

***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/territories.

Master of Science Program in Regulatory Science for Pharmaceutical and Health Products (International Program)

Course Title: Master of Science Program in Regulatory Science for

Pharmaceutical and Health Products (International Program)

Master Degree: Master of Science (Regulatory Science for Pharmaceutical and

Health Products)

Academic Institution: Faculty of Pharmacy, Departments of Microbiology, Pharmacy,

Pharmaceutical Chemistry, Pharmacology and Manufacturing

Pharmacy

Duration: B.E. 2563-2565

Background and Rational:

Master of Science Program in Regulatory Science for Pharmaceutical and Health Products (International Program) is the first program in Thailand that offers body of knowledge as well as practical aspects in regulation of pharmaceutical and health products. The program is designed as integrated and multidisciplinary curriculum by collaborations of several departments including Pharmaceutical Chemistry, Pharmaceutical Manufacturing, Pharmacology, Microbiology and Pharmacy. The program involves both Thai and international regulations (EU, US, ASEAN and Japan) and complied with Thailand 4.0 policy. The program is driven by high caliber and high expertise faculty member. The learning process is designed as modules based on active learning, outcome based and problem based education. Lecture, laboratory, hand-on experiences as well as trainings in real sectors are provided for students. Students can get access to well-equipped laboratories, libraries and information technology facilities with necessary database. Research questions or thematic paper could be originated from students, which can be benefit to their future career and the graduates could pursue their careers in regulatory affairs in both governmental Upon the completion from the program, the graduates will be and private sectors. knowledgeable and skillful to work in the area of regulatory science in pharmaceutical and health products.

Objectives:

By the end of the study, students are able to

- 1. Possess moral, professional ethics and responsibility in the field of regulatory science for pharmaceutical and health products
- 2. Analyze and apply the knowledge in regulatory science for pharmaceutical and health products

- 3. Think critically, to analyze problems, to integrate and to synthesize knowledge in the field of regulatory science for pharmaceutical and health products
- 4. Have inter-personal skill with responsibility, management and leadership skills to effectively communicate and collaborate with intra- and inter-organizations in quality control of pharmaceutical and health products
- 5. Possess numerical and information technology skills required in regulatory science for pharmaceutical and health products

Course Synopsis & Methodology:

1. Study plan:

Plan B

| Year | ear Semester 1 | | Semester 2 | | | |
|-------|-----------------------------------|-----------|------------------|-------|------------------------|-----------|
| 1 Cai | Semester 1 | | Semester 2 | | | |
| 1 | PYRS 500 Regulation of Drug | 3(3-0-6) | PYRS : | 502 Ç | Quality Management | 3(3-0-6) |
| | and Health Products | | | 9 | System and Quality | |
| | PYRS 501 Management and | 3(3-0-6) | | 1 | Assurance | |
| | Professional Skills in | | PYRS | 507 | Seminar in | 1(1-0-2) |
| | Regulatory Affairs | | | | Regulatory Science | |
| | PYRS 504 International | 3(3-0-6) | | | II | |
| | Approaches to | | PYRS | 508 | Process of Drug | 3(3-0-6) |
| | Regulation | | | | Discovery and | |
| | PYRS 505 Principles of Risk | 2(2-0-4) | | | Pharmaceutical | |
| | Management and | | | | Product Discovery and | |
| | Vigilance System for | | | | Pharmaceutical Product | |
| | Health Products | | | | Development | |
| | | | Elective | 2 221 | v a o a | 6 credits |
| | | | | | | |
| | | | PYRS | 598 I | Thematic paper | 2(0-18-0) |
| | PYRS 506 Seminar in Regulatory | 1(1-0-2) | | | | |
| | Science I | | | | | |
| | PYRS 503 Statistics in Regulatory | 3(3-0-6) | | | | |
| | Science for Pharmaceutical | | | | | |
| | Products | | | | | |
| | Total 15 credits | | Total 15 credits | | | |
| 2 | Elective courses | 2 credits | PYRS | 598 T | Thematic paper | 2(0-18-0) |
| | PYRS 698 Thematic paper | 2(0-18-0) | | | | |
| | Total 4 credits | | | | Total 2 credits | |

2(2-0-4)

2(2-0-4)

2(2-0-4)

2(2-0-4)

2. Course Content/Study Topic:

Courses in the curriculum

| (1) Required Courses | 18 credits |
|----------------------------------|----------------|
| (2) Elective Courses: Not less t | han 12 credits |
| (3) Thematic paper | 6 credits |

1) Required Courses 18 credits **Credits (Lecture-Practice-Self Study) PYRS 500** Regulation of Drug and Health Products 3(3-0-6) **PYRS 501** Management and Professional Skills in Regulatory Affairs 3(3-0-6) PYRS 502 Quality Management System and Quality Assurance 3(3-0-6) Statistics in Regulatory Science for Pharmaceutical Products PYRS 503 3(3-0-6)**PYRS** 504 International Approaches to Regulation 3(3-0-6) **PYRS 505** Principles of Risk Management and Vigilance System 2(2-0-4)for Health Products Seminar in Regulatory Science I **PYRS 506** 1(1-0-2)2) Elective Courses: Not less than 12 credits **Credits (Lecture-Practice-Self Study) PYRS 507** Seminar in Regulatory Science II 1(1-0-2) **PYRS 508** Process of Drug Discovery and Pharmaceutical Product 3(3-0-6) Development Regulation of Biological Products 2(2-0-4) **PYRS 509 PYRS 510** Risk Management Tools for Pharmaceutical Industry 2(2-0-4)**PYRS 511** Structure and Management of Clinical Trials 2(2-0-4)

In addition to elective courses mentioned above, a student may register other courses in international program offered by other faculties' equivalent to graduate studies, Mahidol University or the ones offered by other universities according to the student's interest with the approval of the curriculum committee or the advisor.

Intellectual Properties for Health Products

Regulation of Food and Dietary Supplements

Pharmaceutical Commerce

Regulatory of medical device

Thematic paper

PYRS 512

PYRS 513

PYRS 514

PYRS 515

Credits (lecture – practice – self-study)
PYRS 697 Thematic paper 6(0-36-0)

Applicants Qualifications:

Plan B

- 1. Prospective students should hold a Bachelor's degree in the area of pharmacy or related health science from Institutions of Higher Education in Thailand or foreign countries accredited by the office of the Higher Education Commission with a minimum GPA of 2.50 or equivalent
- 2. Prospective students should have the English competency that meet the requirements of the Faculty of Graduate Studies, Mahidol University (e.g. TOEFL score of at least 400 or the total IELTS score of at least 3 or any other equivalent scores.
- 3. Prospective students should have experience in regulatory of health products at least one year.
- 4. Other exceptions may be considered by the Program Committee and the Dean of the Faculty of Graduate Studies, Mahidol University.

Document Required:

- 1. Transcript
- 2. CV with a statement of purpose
- 3. TOEFL or IELST score

Contacts:

1. Prof. Leena Suntornsuk

Department of Pharmaceutical Chemistry

Faculty of Pharmacy, Mahidol University

Leena.sun@mahidol.ac.th

Telephone: +66 026448677-91 Ext. 5402 Fax: +66 026448695

2. Assoc. Prof. Chutima Phechkrajang

Department of Pharmaceutical Chemistry

Faculty of Pharmacy, Mahidol University

Chutima.chu@mahidol.ac.th

Telephone: +66 026448677-91 Ext. 5102 Fax: +66 026448695

Program staff:

1. Prof. Leena Suntornsuk

Department of Pharmaceutical Chemistry

Faculty of Pharmacy, Mahidol University

Leena.sun@mahidol.ac.th

Telephone: +66 026448677-91 Ext. 5402 Fax: +66 026448695

2. Assoc. Prof. Chutima Phechkrajang

Department of Pharmaceutical Chemistry

Faculty of Pharmacy, Mahidol University

Chutima.chu@mahidol.ac.th

Telephone: +66 026448677-91 Ext. 5102 Fax: +66 026448695

For more information:

Bureau of International Cooperation on Human Resources Development Thailand International Cooperation Agency (TICA)
Government Complex, Building B (South Zone), 8th Floor,
Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND
Tel. +66 (2) 203 5000 ext. 43305, 43306 Fax: +66 (2) 143 8451

E-mail: tipp@mfa.mail.go.th

***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/territories.

Course Detail

Master of Primary Health Care Management Program (International program)

Course Title: Master of Primary Health Care Management Program

(International program)

Master degree: Master of Primary Health Care Management

Academic institute: ASEAN Institute for Health Development, Mahidol University

Duration: August 2021-July 2022

Background and Rational:

Master of Primary Health Care Management degree program has been operated since the year 1986 with the cooperation between ASEAN Institute for Health Development (AIHD), Mahidol University. And Thailand International Cooperation Development Agency (TICA), Ministry of Foreign Affairs and the Japan International Cooperation Agency (JICA). The program emphasizes the development of managerial and leadership skills for medical and paramedical public health care professionals from all over the world, especially Asia. PHC development is recognized as an appropriate channel for public health service in the improvement of existing human resources, making use of appropriate technology, and encouraging community participation. Since 1986, AIHD has produced 700 graduates from 34 countries, currently working as PHC leaders with the common goals of efficient and effective health services and improvement in the quality of life.

Objectives

The curriculum prepares students to become leading public health professionals capable of addressing current primary health care and global health problems with multidisciplinary, evidence-based approaches.

Course Synopsis and Methodology:

Study plan

A minimum of 36 credits are required; require course 15 credits, elective course 9 credits, and thesis 12 credits.

Semester 1 (August-December 2021)

Require course 9 Credits
Elective course 6 Credits

| Semester 2 | (January-April 2022) | |
|------------|----------------------|------------|
| | Require course | 6 Credits |
| | Elective course | 3 Credits |
| | Thesis | 6 Credits |
| Summer | (April-July 2022) | |
| | Thesis | 6 Credits |
| Total | | 36 Credits |

Plan for master degree thesis Thesis Process

| Thesis Process | Month |
|--------------------------------------|-------------------|
| Proposal development | September-January |
| Proposal exam | February |
| Data collection (Their home country) | April |
| Data analysis | May |
| Thesis writing | June |
| Thesis defense & Publication | July |

2. Course contents

| Require | course | 15 | Credits |
|---------|--------|----|---------|
| | | | |

| ADPM | 602 | Health Service and Primary Health Care Management | 3 Credits |
|------|-----|--|-----------|
| ADPM | 603 | Epidemiology for Primary Health Care Management | 3 Credits |
| ADPM | 622 | Management of Environmental Health for Sustainable | 3 Credits |
| | | Development | |
| ADPM | 629 | Research Methodology for Primary Health Care | 3 Credits |
| ADPM | 611 | Health Promotion in Primary Health Care | 2 Credits |
| ADPM | 697 | Thesis Seminar | 1 Credits |
| | | | |

Elective course not less than 9 Credits

| ADPM | 612 | Leadership and Health Team Development | 2 Credits |
|------|-----|---|-----------|
| ADPM | 613 | Health Economics | 2 Credits |
| ADPM | 614 | Primary Health Care and Global Health | 2 Credits |
| ADPM | 615 | Professional Training Management in Primary Health Care | 2 Credits |
| ADPM | 619 | Field Study | 2 Credits |
| ADPM | 631 | Strategic Purchasing for Universal Health Coverage | 2 Credits |
| ADPM | 632 | Health Providers in Health Systems | 2 Credits |
| ADPM | 633 | Health Financing for Social Health Protection | 2 Credits |
| ADPM | 634 | Health Economics | 2 Credits |
| ADPM | 636 | Socio-economic and Cultural Perspective in Health | 2 Credits |
| ADPM | 638 | Health Communication for Primary Health Care Management | 2 Credits |
| ADPM | 639 | Health Systems Policies | 2 Credits |
| ADPM | 656 | Applied Statistics for Health Science Research | 3 Credits |
| ADPM | 695 | Sufficiency Economy Philosophy for Primary Health Care | 2 Credits |
| | | Management | |
| ADPM | 696 | Principle Concept and Practice of One Health | 2 Credits |

ADPM 698 Thesis 12 Credits

Grand Total: not less than 36 Credits

Graduate requirements:

- For graduates with a bachelor degree admission to master degree, the course of time throughout must not exceed 5 years.
- Complete the coursework for not less than 24 credits and 12 credits for thesis, with minimum total of 36 credits and must have a minimum cumulative grade point average of 3.00.
- Must pass the English proficiency examination for graduates of Mahidol University or IELTS/TOEFL equivalent.
- Must pass the soft skills graduates of Mahidol University
- Must pass the thesis examination and submit the thesis following the regulations of the Faculty of Graduate Studies.
- A document indicated published or accepted for publication in an peer-reviewed international conference proceeding or journal according to the Faculty of Graduate Studies requirement

Application qualifications:

All applicants must fulfill the following:

- Graduated with a degree in medicine and health related field
- Grade point average > 2.50 or > 75 per cent
- Good command of English (TOEFL score of 500 and above or IELTS score with a minimum of 5)
- If an applicant does not meet the above criteria but has other suitable qualifications and experience, s/he may be considered to apply for admission by the program committee

Document require for admission:

- Academic transcript
- English proficiency certificate
- Curriculum Vitae
- A recommendation letter
- A draft of research project to be conducted as master degree thesis

Contact:

1. Contact: Program director

Asst. Prof. Dr. Phudit Tejativaddhana

ASEAN Institute for Health Development, Mahidol University 999 Phudthamonthon 4 Rd., Salaya, Phudthamonthon, Nakorn Pathon 73170 THAILAND

Telephone + 66 2 441 9040 ext. 42

Facsimile + 66 2 441 9044

Email: Phudit.tej@mahidol.ac.th

2. Program coordinator

Ms. Chatchata Ruangkachorn

Telephone + 66 2 441 9040 ext. 65, Mobile: 089 4859973

Facsimile + 66 2 441 9044

Email: Chatchata.rua@mahidol.edu

For more information:

Bureau of International Cooperation on Human Resources Development

Thailand International Cooperation Agency (TICA)

Government Complex, Building B (South Zone), 8th Floor,

Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND

Tel. +66 (2) 203 5000 ext. 43305, 43306 Fax: +66 (2) 143 8451

E-mail: tipp@mfa.mail.go.th

***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/territories.

Course Detail

Master of Science in Occupational and Environmental Health (International Program)

Course Title: Master of Science (Occupational and

Environmental Health) (International

Programme)

Master Degree: Master of Science (Occupational and

Environmental Health) M.Sc. (Occupational

and Environmental Health)

Academic Institution: Faculty of Public Health, Thammasat University

Duration: 18 months (minimum)

Background and Rational

This course aims to produce researchers with special skills in these areas equipped with up-to-date knowledge of relevant technological innovations. There is comprehensive coverage of theory and practice and an emphasis on the development of research skills enabling students to apply their knowledge to find practical solutions to real public health issues.

The M.Sc. provides the necessary skills, knowledge, and competencies to enable students to critically evaluate risk posed by the full range of occupational and environmental health hazards, or stressors, which have impacts on human health and well-being. Courses will be delivered by academic staff with wide practical experience as well as active research interests.

The course is conducted using a practically-based teaching and learning processes including lectures, workshops, group work, case studies, practical assignments, site visits, and student centered learning. This ensures graduates to gain experience on the challenge of current problem-based research and state of the art methods.

This program offers several specialized subjects in three fields; occupational health, ergonomics, and safety and environmental health. It will be conducted in a semester system with 36 credits in total. For the first two semesters, students focus on core compulsory courses and scientific topics related to their selected fields of study. Elective courses complement the core courses and their interested research topics.

Objective:

The M.Sc. (Occupational and Environmental Health) provides graduates with: 1) developing technical competence necessary to successful academic and professional work; 2) acquiring and integrating knowledge and skills from a variety of occupational and environmental health perspectives in order to become effective problem solvers, innovators, and decision makers; and 3) mastering the knowledge and practice in occupational and environmental health through the process of research and field practice.

STUDY PLAN

Course Content/Study Topic:

a. Pre-program workshop

| FIRST YEAR | | | |
|---|------------|--|--|
| Plan A (Thesis Track) | | | |
| First semester | | | |
| OE60 Statistics and Research Methodology 1 | 3 credits | | |
| OE61 Occupational and Environmental Epidemiology | 3 credits | | |
| OE63 Occupational and Environmental Health | 3 credits | | |
| OE66 Occupational and Environmental Health Seminar (non-credit) | 1 credit | | |
| OE6x Compulsory in concentration x | 3 credits | | |
| Total | 13 Credits | | |
| Second semester | | | |
| OE6x Compulsory in concentration | 3 credits | | |
| OE6x Compulsory in concentration | 3 credits | | |
| OE6x Electives | 3 credits | | |
| OE6x Electives | 3 credits | | |
| OE80 Thesis | 3 credits | | |
| Total | 15 credits | | |
| SECOND YEAR | | | |
| First semester | | | |
| OE80 Thesis 0 | 9 credits | | |
| Total | 9 credits | | |

Although the pre-program workshop is considered as a non-credit co-curricular learning experience, all enrolled students are expected to participate prior to registration in the 1st semester of the academic year.

b. Core compulsory courses

Students must complete a total of 9 credits and Occupational and Environmental Health Seminar (credit not counted) of the following Occupational and Environmental Health core courses:

| OE 611: Occupational and Environmental Epidemiology | 3 (3-0-9) | Credits |
|---|-----------|---------|
| OE 601: Statistics and Research Methodology | 3 (3-0-9) | Credits |
| OE 631: Occupational and Environmental Health | 3 (3-0-9) | Credits |

Compulsory course (credit not counted)

OE 661: Occupational and Environmental Health Seminar 1 (0-2-4) Credits

c. Compulsory in field courses

Students must complete a total of 9 credits of the following compulsory courses:

| Concentration on Occupational Health | | |
|---|-----------|---------|
| OE 621: Occupational and Environmental Toxicology | 3 (3-0-9) | Credits |
| OE 632: Occupational and Environmental Sampling and | Analysis | |
| | 3 (2-3-7) | Credits |
| OE 633: Workplace Exposure Assessment and Control | 3 (3-0-9) | Credits |
| Concentration on Environmental Health | | |
| OE 621: Occupational and Environmental Toxicology | 3 (3-0-9) | Credits |
| OF 632: Occupational and Environmental Sampling and | Analysis | |

| OE 632. Occupan | onai and Environmental s | Sampling and Analysis | |
|-----------------|--------------------------|-----------------------|---------|
| | | 3 (2-3-7) | Credits |
| 00 (54 0) | 1 7 7 1 1 7 1 1 | 2 (2 0 0) | |

OE 651 Environmental Health Technology 3 (3-0-9) Credits

d. Elective courses

Plan-A: Students opting for Plan-A must select at least 6 credits of coursework from either minor concentration courses or the following set of free electives courses.

| OE 602 Research | : Advanced Statistics for Occupational | and Environ | mental Health (3-0-9) |
|--------------------|---|-------------|-----------------------|
| Credits | | | |
| OE 612 | Molecular Epidemiology | 3 (3-0-9) | Credits |
| OE 634 | Risk Assessment and Management | 3 | (3-0-9) |
| Credits | | | |
| OE 635 | Air Pollution and Control | 3 (3-0-9) | Credits |
| OE 636 | Indoor Air Quality and Control | 3 (3-0-9) | Credits |
| OE 641 | Safety Engineering | 3 (3-0-9) | Credits |
| OE 642 | Safety, Health and Environmental Management | 3 (3-0-9) | Credits |
| OE 643 | Human Factors and Ergonomics | 3 (3-0-9) | Credits |
| OE 644 | Task Analysis and Design | 3 (3-0-9) | Credits |
| OE 652 | Environmental and Health Impact Assessment | 3 (3-0-9) | Credits |
| OE 653 | Waste Management 3 (3-0 |)-9) Cred | its |
| OE 654 | Water and Waste Water management | 3 (3-0-9) | Credits |
| OE 655 | Disaster Management | 3 (3-0-9) | Credits |
| Thesis (1 | Plan-A) | | |
| OE 800: | Thesis | 12 | |
| Credits | | | |

Application and Qualification:

- Hold a B.Sc. or equivalent fields and must have taken at least 2 of the following courses: Chemistry and Analytical Chemistry, Biology, Industrial Hygiene, Occupational Health and Safety, Environmental Health, Toxicology and Statistics.
- Have a minimum grade point average of 2.75

- Have a proven minimum of two years professional experience in Occupational Health and Safety or Environmental Health.
- Minimum TOEFL score of 500 (paper-based) or 173 (computer-based) or IELTS not less than 6.0 or TU-GET not less than 500.
- For all non-native speakers, proven English language proficiency is a precondition for program enrolment.

Document Required:

- Completed application form
- Copy of degree certificates
- Copy of degree transcripts
- Copy of TUGET or TOEFL or IELTS test score sheet
- Copy of valid passport
- Letter of reference
- Medical certificate
- Concept paper

Contact:

Faculty of Public Health, Thammasat University

Office: 02-564-4440-79 ext. 7426

Fax: 02-516-2708

Email: oip-admissions@fph.tu.ac.th

Website: http://fph.tu.ac.th/en/master-phd

Coordinators

Ms. Sirada Sahaimitr Ms. Prapaporn Pansuwan

For more information:

Bureau of International Cooperation on Human Resources Development Thailand International Cooperation Agency (TICA)
Government Complex, Building B (South Zone), 8th Floor,
Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND
Tel. +66 (2) 203 5000 ext. 43305, 43306 Fax: +66 (2) 143 8451

E-mail: tipp@mfa.mail.go.th

***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/ territories.

Course Detail

Master of Sciences in Public Health Sciences

Course Title: Master of Sciences in Public Health Sciences

Master Degree: Master of Sciences (M.Sc. in Public Health Sciences)

Academic Institution: College of Public Health Sciences, Chulalongkorn University

Duration: August 2021 – July 2023 (2Years)

Background and Rational:

Health issues are fundamental to quality of life. That links to other matters of the people and society This world society and the future is a knowledge-based society. (Knowledge-based Society) Society is therefore very demanding of knowledge. To come and deal with the problem Social needs It is an incentive for senior academics in health to drive Always keen to invent new knowledge The Public Health Science Program aims to produce international scholars with the potential to independently acquire knowledge through scientific research methods. To develop the body of knowledge in the field of public health science, Especially in the field of herbal science and biomolecular technology in key national and regional issues. The curriculum is of great interest and in high demand by relevant scholars nationally, regionally and internationally By offering specialties in Public Health Sciences the Semester-based program provides a variety of types and duration of study to respond to students' needs as follow:

Herbal Sciences (plants, animals or minerals)

Extraction, isolation or purification of natural products from medicinal plants or some microorganisms. Chemistry of essential oils and their therapeutic effects.

Standardization of herbal drugs. Biological activities and underlying mechanisms of medicinal plants. Development of natural product-based medicines

Biomolecular technology

- In vitro cultivation and drug susceptibility test of malaria parasites.
- DNA analysis and gene mutations by using molecular techniques
- Gene diversity

Protein modifications

- Developing new bioconjugation techniques based on organic chemistry.
- Using some modified biomolecules for in vitro or in vivo studies.

Objectives:

- 1. To produce competent Master's both academically and research Become scholars and practitioners with the potential to independently pursue knowledge. Able to develop knowledge in the field of public health science Herbal Science Or the field of molecular technology
- 2. To develop research in public health science Herbal Science Or the field of molecular technology That can be applied to be applied to solve public health problems at the national, regional and international levels.
- 3. To develop academic studies in public health science, herbal science and biomolecular technology.

Course Synopsis and Methodology:

Curriculum Plan

| Course | Plan A2 (Credits) |
|-------------------------------|-------------------|
| Core Courses of public health | 10 |
| Major Compulsory Courses | 3 |
| Elective Courses | 11 |
| Thesis | 12 |
| Total (Credits) | 36 |

Study plan

| 1 st Semester | 2nd Semester | 3 rd Semester | 4 th Semester |
|--------------------------|-------------------------|--------------------------|--------------------------|
| Aug – Dec 2021 | Jan – Jun 2022 | Aug – Dec 2022 | Jan – Jun 2023 |
| Core courses | Core courses | * Thesis /Lab | Thesis Exam |
| Seminar in Public | ❖ Seminar in | research | |
| Health Sciences I | Public Health | Proposal | |
| (C-1) | Sciences II | Exam | |
| Analytical | * (C-1) | * Academic | |
| Technology in | Elective courses | conference | |
| Public Health | Special | presentation | |
| Sciences (C-3) | Problems in | * Article | |
| * Research | Public Health | publication | |
| Fundamental | Sciences II | | |
| in Public | (E -2) | | |
| Health | Elective (E- 6) | | |
| Sciences (C -3) | | | |
| Elective courses | Specific courses due to | | |
| Special | area of interest | | |
| Problems in | (selected) | | |

| Public Health Sciences I (E – 2) | Application of Medicinal PlantResearch II |
|--|---|
| Elective (E-6) Specific courses due to area of interest (selected) Application of Medicinal Plant Research I Applied Molecular Biology Techniques in Public Health Sciences | ❖ Traditional Medicine in Health Sciences I ❖ Current Research Topics in Biomolecular Technology |

Thesis Research Plan

- Summited Proposal Request within May
- Proposal Exam within June
- Laboratory During July to February
- Interplead Data within April
- Thesis Exam within May
- Summited full paper within July

Course Content

| Code | Course | Credit |
|-----------|---|-----------|
| | Special Problems in Public Health Sciences I SP PROB PBHLTH I Preliminary research project assigned by the advisor leading to the thesis. | 2 (1-3-4) |
| | Special Problems in Public Health Sciences II SP PROB PBHLTH II Preliminary research project assigned by the advisor leading to the thesis. | 2 (1-3-4) |
| 5300711** | Seminar in Public Health Sciences I SEM PBHLTH I Literature review; information gathering; scientific reading skill; scientific presentation skill. | 1 (1-0-3) |

| 5300712 | Seminar in Public Health Sciences II SEM PBHLTH II Systematically reading and evaluating scientific papers; scientific presentation and discussion skill. | 1 (1-0-3) |
|---------|---|-----------|
| 5300727 | Standardization of Medicinal Plants STD MED PL Principles of qualitative and quantitative standardization of medicinal plants including macroscopic and microscopic analyses of crude drugs, physicochemical properties. | 2 (2-0-6) |
| 5300750 | Biomolecular Technology in Malaria BIOMOL TECH MAL Cellular and particle structures and functions of cells, basic knowledge of their genetic materials, genes and gene regulation, the way to collect these samples and their cultivation, basic molecular biology techniques which may be used to study living organisms, using malaria as a case study, ethical issues. | 3 (3-0-9) |
| 5300751 | Application of Medicinal Plant Research I APP MED PL RES I Principles and system of classification, nomenclature and identification of medicinal plants from the morphology, habitat, phylogeny, microscopic structure, chemical composition and biological activity, principles of molecular genetics and application of the concepts and scientific methods in medicinal plant research. | 3 (2-3-7) |
| 5300752 | Application of Medicinal Plant Research II APP MED PL RES II Preclinical research methodology, clinical trial and socio-medical sciences in Thai traditional medicine, genomic, proteomic and metabolomic application in medicinal plants research. | 3 (2-3-7) |
| 5300753 | DNA-Based Technology in Medicinal Plant Research DNA MED PL RES Principle and concept in molecular genetics, structures, functions and properties of genes in the molecular level, DNA recombination and the application of DNA-based technology, the use of bioinformatics for searching and analyzing information from the bio-information database from medicinal plant and herb researches. | 3 (2-3-7) |

| | Analytical Technology in Public Health Sciences Research ANAL TECH PBHLTH Fundamental and advance laboratory techniques for biological, physiochemical and molecular analysis, knowledge and practical skills experience relevant to research in Public Health Sciences. | 3 (2-3-7) |
|-----------|--|------------|
| 5300755 | Applied Molecular Biology Techniques in Public Health Sciences APP MOL PBHLTH Principle of the selected basic molecular biology techniques, practice in laboratory and its application to public health sciences research. | 3 (2-3-7) |
| | Current Research Topics in Biomolecular Technology CURR RES BIOMOL Modern molecular technologies; analyzing, presenting and commenting articles from high quality journals. | 3 (2-3-7) |
| 5300757** | Research Fundamental in Public Health Sciences RES FUND PBHLTH Preclinical research methods, clinical research methods, animal models, ethical consideration. | 3 (2-3-7) |
| | Traditional Medicine in Health Sciences I TRAD MED HLTH SC I Medicinal properties in traditional medicine, in vitro scientific biological activities, application in health sciences | 3 (2-3-7) |
| | Traditional Medicine in Health Sciences II TRAD MED HLTH SC II Medicinal properties in tradtional medicine, in vivo scientific biological activities, clinical research, application in health sciences | 3 (2-3-7) |
| 5300811 | THESIS | 12 credits |

Graduation Conditions:

- Pass Standard of English (CUTEP 45 / IELTS 4.5 / TOEFL 450)
- Pass Proposal & Thesis Examination
- 1 international Publication or Proceeding
- Submitted Full paper & CU I Thesis to Graduate School
- Completed Register of Graduation

Applicant Qualifications:

An interested person with good command of English and bachelor degree in Relate fields **Document Required:**

- Application form of TICA

http://tica.thaigov.net/main/en/relation/75500-TIPP-Application-form.html

- Transcript
- Recommendation Letter
- English Test
 - **CU-TEP 45**
 - **IELTS 4.5**
 - TOEFL 450
 - Certify document Graduated from University where certify by OCSC or Study in English Official Language Country
- Application form of Chula

http://www.cphs.chula.ac.th/index.php/component/phocadownload/file/298-application-form

- Statement of purpose and area(s) of interest (1 page)
- A copy of your identification document (Passport).

Contact:

Scholarship Coordinator: Mr. Poohmerat Kokilakanishtha (Pooh)

Mobile: 66892552395 email: Poohmerat.k@chula.ac.th/ Poohmerat@gmail.com

Director, Academic Administrative Section : Ms. Sukarin Wimuktayon (L) **Tel**: 6622188191 **email**: sukarin.w@chula.ac.th / academic cphs@chula.ac.th

For more information:

Bureau of International Cooperation on Human Resources Development

Thailand International Cooperation Agency (TICA)

Government Complex, Building B (South Zone), 8th Floor,

Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND

Tel. +66 (2) 203 5000 ext. 43305, 43306 Fax: +66 (2) 143 8451

E-mail: tipp@mfa.mail.go.th

***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/territories.

Course Detail Master of Arts Program in Asia Pacific Studies (International Program)

Course Title: Master of Arts Program in Asia Pacific Studies

(International Program)

Master Degree: Master of Arts (Asia Pacific Studies)

Academic Institution: Thammasat Institute of Area Studies (TIARA),

Thammasat University

Duration: 18 months (August 2021 - January 2023)

3 semesters + 1 summer semester

Background and Rational:

Master of Arts in Asia-Pacific Studies (MAPS) Program is an interdisciplinary graduate program that is designed for internationally – focused students who wish to obtain an in-depth understanding of the Asia-Pacific region through multi-faceted and inter-disciplinary lenses.

MAPS is the first graduate program in Thailand which examines the entire Asia-Pacific region in all its complexities. The Asia-Pacific region is one of the most dynamic and diverse regions in the world. It is the home of more than 4.3 billion people and accounts for more than half of global economic activities. Trade and development have given rise to international economic cooperation, ranging from small regional forums to large-scale collaborations such as APEC (Asia- Pacific Economic Cooperation) and ASEAN.

MAPS program provides students with the opportunity to deepen their knowledge not only on the said academic disciplines. Students will also study various contemporary issues related to sustainable development in the region. The program adopts multidisciplinary approach that allows them to integrate study of economics, law, international relations, and public policies to give students an understanding of contemporary regional issues. These issues are directly related to the following *Sustainable Development Goals*: Goal 2 (Zero hunger), Goal 4 (Quality education), Goal 5 (Gender equality), Goal 8 (Decent work and economic growth), Goal 9 (Industry, innovation and infrastructure), Goal 10 (Reduced inequalities) and Goal 13 (Climate change).

The Asia-Pacific region is also the home of 700 million youth whose ambitions and abilities can contribute to the prosperous, peaceful, and sustainable future of the region. Investing in youth is an investment for the future. Our students will be trained and empowered for a sustainable future that requires a better understanding of their needs, interests, challenges, and potential may it be domestically or internationally.

MAPS is a truly international program with more than 80 per cent of international students. Students at MAPS program come from ASEAN member states and countries in the Asia-Pacific such as Bhutan, Japan, and China. The majority of them works in public and higher education sectors, that is, civil service officers at Ministry of Foreign Affairs and university lecturers. When they graduate, they will go back and become the driving force for sustainable developments in their counties.

Followings are examples of the Thesis studies by MAPS graduates. These theses are related to SDGs Goal.

- Goal 2—Zero hunger: End hunger, achieve food security and improved nutrition and promote sustainable agriculture.
 - o The Evaluation of Japanese ODA to Vietnamese Farmers
 - o Effects of Agricultural Policies on Rice Industry in Myanmar

- **Goal 4—Quality education**: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.
 - o Education Reform in Myanmar: A Case of Two Technological Universities
- Goal 5—Gender equality: Achieve gender equality and empower all women and girls.
 - o Study on the Role of Entrepreneurship in the Textile Sector Industry in Bhutan
 - Women and Career Advancement in Brunei Darussalam: A Case Study of Women Working in Brunei Darussalam Government Sectors
- Goal 8—Decent work and economic growth: Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.
 - Community- based Tourism in Creating Impacts for Rural Communities: A Case Studies Nglanggeran Tourist Village in Yogyakarta, Indonesia
 - Challenges Faced by Brunei's Micro and Small Entrepreneurs on the Utilization of Social Media as Online Marketing
 - The Effect of the Royal Decree on Managing the Work of Aliens B.E. 2560 (2017) on Myanmar Migrant Workers in Factories: Case Study of Four Selected Companies in Samut Sakhon Province
 - o Factors Affecting Foreign Direct Investment (FDI Inflows to Lao PDR
 - Factors Attracting Investors to Invest in Laos: Case Study of Savan Seno Special Economic Zone
 - Corporate Social Responsibility in Vietnam State-owned Enterprises: A Comparative Analysis of PVEP and VTC
 - o The Influence of Government Policy on the Return of Overseas Vietnamese in the Information and Communication Technology Sector
- **Goal 9—Industry, innovation and infrastructure**: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.
 - Determinant Factors of Tuna Canneries Performance in Indonesia and Thailand: A Comparative Perspective
 - o Analysis of the Effect of the Trans-Pacific Partnership Free Trade Agreement on the Vietnamese Apparel Industry
- Goal 10—Reduced inequalities: Reduce inequality in and among countries.
 - o Refugee Status Determination (RSD) Practices in Thailand
 - Inequality and Economic Development in Lao PDR since the 1986 Economic Reform
- Goal 13—Climate change: Take urgent action to combat climate change and its impacts.
 - o Disaster Management in Cambodia: Community- based Disaster Risk Management in the Case of Drought in Oral District

MAPS program allows the exchange of first-hand knowledge and experiences from international students particularly from APEC and ASEAN member countries. After graduation, graduates are equipped with knowledge of situations, phenomena, contemporary issues, and sustainable development in the Asia-Pacific region which can be applied to their careers in the public sector, diplomatic service, academic consultancies, international organizations, and sustainable development related career domestically and internationally.

MAPS Program are offered and administered by Thammasat Institute of Area Studies or TIARA at Thammasat University. TIARA starts off from a single center namely Thai APEC Study Center which works to foster research and academic discussions supporting the broader APEC mission of regional economic integration and a means to building networks of academic professionals

in the region. TIARA has developed not only experience, but it also extends in term of networks, collaborations, academic exchanges and many more. At present, TIARA is a home to five Area Studies Centers — Thai APEC Study Center, the Australian Studies Centre, India Studies Center, Russia and CIS Study Center, and the ASEAN Study Center. These centers have their own academic focuses and networks. This gives TIARA more resources and room to do academic activities within the context of 'Area Studies' and not limited to country or regional studies. For that reasons, TIARA becomes the institution with expertise in conducting academic and policy research, organizing seminars, trainings, workshops, and international conferences on issues in the Asia-Pacific region. Our knowledge and expertise have been continuously building up since the year 2000.

With its networks in Thailand and around the world, TIARA utilizes all resources and networks to benefit MAPS program. The program regularly welcomes visiting professors and guest lecturers as well as experts in the field to teach our students especially those institutes that signed MOUs with TIARA. These become a unique characteristic and strong point of the program in terms of teaching and research making MAPS a quality program that produce international standard quality graduates to fulfill MAPS's mission and vision, that is, to provide high quality graduate education, academic resources, training and professional developments as well as foster cultural learning and exchanging opportunities for graduate students and professional in the intellectual diverse environment.

The MAPS curriculum emphasizes interdisciplinary studies from professors, scholars, and professionals with high expertise in their fields. Students will learn to look deeper into topics from all aspects and perspectives, foster critical thinking and analytical ideas including to tackle topics from new directions, which will transform into a lifelong learning. Please see an attachment named List of MAPS Guest Lecturers for your reference.

In addition to our human resources, MAPS had its own facilities. MAPS students are given the access to a dedicated research and study space to help fostering intellectual exchange and collaboration beyond the classroom.

- 1. Asia-Pacific Resource Center the Resource Center, as our students called it, houses a relevant and accessible collection of Asia-Pacific related resource materials. The center provides space for information and cultural exhibition as well as acquired information and dissemination manuals, information and research about countries in the Asia-Pacific region. The center also provides modern, adequate, and efficient information center services, appropriate and comfortable learning environment on the use of resources for individual and group study for individual and group study.
- 2. MAPS Common Room MAPS Common Room located at the 1st Floor of the Social Science Complex next to the Asia-Pacific Resource Center, is designed specially for MAPS students. It is primary space for students to hang out whether for work on project or to spend time with each other. The MAPS Common Room is created with comfortable and welcoming environment features wireless internet access and lockers for student use. MAPS Common Room is divided into three Zones with different functions; 1 small classroom seated classroom style with the capacity of 40 people, 2 rooms with flexible furniture configuration with capacity for 20 people for group gathering or informal group meeting.
 - 3. MAPS Classroom a small fully equipped classroom with capacity for 20-25 students
- 4. MAPS co-working space located in front of MAPS Classroom with capacity for 20-25 students

For more information about MAPS Program, course syllabus, and other related matters, please see an attachment named Introduction to MAPS Program \

Previous record of the graduation of students under MAPS Program are shown in the Table below.

| Academic Year | Total number of Students | Total number of Students who graduated | % |
|------------------|--------------------------|--|----|
| 2015 | 13 | 12 | 93 |
| 2016 | 17 | 13 | 77 |
| 2017 | 12 | 11 | 92 |

Objectives:

Master of Arts in Asia- Pacific Program aims to prepare students for future challenges in sustainable manners and integrate knowledge of international economics, international relations, and international laws to the sustainable development as well as to promote sustainability mindset and encourage students and graduates to play their roles in fulfilling UN' SDG Goals, may it be in the domestic or international arena.

Course Synopsis and Methodology:

Program Information

| Program Length | 18 months full-time/ 3 full semesters and 1 summer semester |
|-----------------------|--|
| Medium of Instruction | English Language |
| Class Size | 20 |
| Campus | Most courses are taught at Rangsit Center |
| Facilities | Asia-Pacific Resource Center and MAPS Common Room. Students |
| | will be given the access to dedicated research and study space to help |
| | foster intellectual exchange and collaboration beyond the classroom |

Program Plan

| Plan A | Credit | Plan B | Credit |
|--|--------|--|--------|
| Required courses | 21 | Required courses | 21 |
| Elective Courses | 6 | Elective Courses | 12 |
| Thesis | 12 | Independent Studies | 6 |
| Thesis Defense | - | Written Comprehensive Exam | - |
| Postgraduate International Conference (TU-CAPS) | - | Postgraduate International Conference (TU-CAPS) | - |
| Total | 39 | Total | 39 |

Plan A

Semester 1 Year 1: 4 Subjects 12 credits

| APS600 | Foundation Asia-Pacific Studies | 3 credits |
|--------|--|-----------|
| APS612 | Economic Development in ASEAN | 3 credits |
| APS621 | Political, Security, and Defense Strategies in the Asia-Pacific Region | 3 credits |

| APS6xx | Elective Course: between | 3 credits |
|--------|---|-----------|
| | Comparative Politics and Governments in the Asia-Pacific Region/ | |
| | International Relations and Foreign Policy in the Asia-Pacific Region | |

Semester 2 Year 1: 4 Subjects 12 credits

| APS611 | Economic Integration in the Asia-Pacific Region | 3 credits |
|--------|---|-----------|
| APS631 | International Law and Regional Architecture in the Asia-Pacific | 3 credits |
| | Region | |
| APS681 | Research Methodology | 3 credits |
| APS6xx | Elective Core Course: choose between | 3 credits |
| | Contemporary Issues in the Asia-Pacific Studies/ Public Policy | |
| | Studies | |

Summer Semester: 1 Subject 3 credits

| APS800 | Thesis | 3 credits |
|--------|--------|-----------|

Semester 1 Year 2: 2 Subjects 12 credits

| Schilester 1 | cotter i rear 202 Subjects in creates | | |
|--------------|---|-----------|--|
| APS6xx | Elective Course: between | 3 credits | |
| | Comparative Politics and Governments in the Asia-Pacific Region/ | | |
| | International Relations and Foreign Policy in the Asia-Pacific Region | | |
| APS800 | Thesis | 9 credits | |

Plan B

Semester 1 Year 1: 4 Subjects 12 credits

| APS600 | Foundation Asia-Pacific Studies | 3 credits |
|--------|--|-----------|
| APS612 | Economic Development in ASEAN | 3 credits |
| APS621 | Political, Security, and Defense Strategies in the Asia-Pacific Region | 3 credits |
| APS6xx | Elective Course: between | 3 credits |
| | Comparative Politics and Governments in the Asia-Pacific Region/ | |
| | International Relations and Foreign Policy in the Asia-Pacific Region | |

Semester 2 Year 1: 4 Subjects 12 credits

| APS611 | Economic Integration in the Asia-Pacific Region | 3 credits |
|--------|---|-----------|
| APS631 | International Law and Regional Architecture in the Asia-Pacific | 3 credits |
| | Region | |
| APS681 | Research Methodology | 3 credits |
| APS6xx | Elective Core Course: choose between | 3 credits |
| | Contemporary Issues in the Asia-Pacific Studies/ Public Policy | |
| | Studies | |

Summer Semester: 1 Subjects 3 credits

| APS6xx | Elective Course: Selected Topics in Asia-Pacific Studies (Countries | 3 credits |
|--------|---|-----------|
| | Studies) | |

Semester 1 Year 2: 2 Subjects 6 credits

| APS6xx | Elective Course: between | 3 credits |
|--------|---|-----------|
| | Comparative Politics and Governments in the Asia-Pacific Region/ | |
| | International Relations and Foreign Policy in the Asia-Pacific Region | |
| APS6xx | Elective Course: | 3 credits |

Semester 2 Year 2: 1 Subjects 6 credits

| APS6xx | Independent Studies | 6 credits |
|--------|---------------------|-----------|
|--------|---------------------|-----------|

Applicants Qualifications:

- A bachelor's degree in any field with a cumulative GPA of 2.5 and above from an accredited university. For those who wish to apply for a scholarship, applicants should at least have a cumulative GPA of 3.00 with an above average grade on the relevant subjects.
- > Requirement for English Proficiency

| No. | English requirements | Minimum |
|-----|---|---------|
| | | score |
| 1 | Paper based TOEFL | 550 |
| 2 | Computer-based TOEFL | 213 |
| 3 | Internet-based TOEFL | 79 |
| 4 | International English language Testing System (IELTS) | 6.5 |
| 5 | Thammasat University Graduate English Test (TU-GET) | 550 |
| 6 | Thammasat University Graduate English Test (TU-GET) | 550 |
| | CBT | |

➤ Applicants can be accepted with conditions in the case of

IELTS: 6.5 ≥ 5.0
 TOEFL: 550≥ 400
 TU-GETS: 550≥ 350

- Applicants who cannot meet the minimum score of the above can reply to the program and submit the required score to the university before the registration day. English test results must not exceed 2 years by the time the applicants submit the results to the university.
- Test results submitted with the admission application are valid evidence for graduation.
- ➤ Please note that Thammasat University requires all students who have not submitted their English Proficiency Test Score to meet the minimum requirement score to submit their Official English Proficiency Test score before the final Thesis defense
- ➤ 4th year bachelor students who expect to graduate may apply by submitting a certified letter of expected date of graduation.
- ➤ Complete applications and submitting all required documents.
- As one of graduate requirement from Thammasat University, graduate students are required to present their thesis work at the International Conference. MAPS students are entitled to present their works at TU-CAPS, the annual international conference hosted by Thammasat Institute of Area Studies, Thammasat University.

Document Required:

- ➤ Completed Online Application Form (at www.maps-tu.org)
- ➤ Official Academic Transcript (English version only)
- > Statement of Purpose (as appear in Online Application Form)
- ➤ Proof of English Language Proficiency (IELTS, TOEFL, TU-GETS)
- > Two letters of Reference
- > Copy of Passport
- > ID Photo (Passport size)
- ➤ Other additional supporting documents an applicant may want to submit such as certificates of training, letter of employment, etc.

Contact:

Assoc.Prof. Suphat Suphachalasai

Director of Thammasat Institute of Area Studies (TIARA)

Address: Thammasat Institute of Area Studies (TIARA)

Dome Administrative Building, Thammasat University (Rangsit Campus) 99 Moo 18 Paholyothin Road, Klong Luang, Rangsit, Prathumthani 12121

Tel: 02-564-3129 Mobile: 081-487-3339

Email: suphat@econ.tu.ac.th

Programme Coordinator:

Mrs. Nuchanat Suparongnithipat

MAPS Program Coordinator

Address: Thammasat Institute of Area Studies (TIARA)

Dome Administrative Building, Thammasat University (Rangsit Campus) 99 Moo 18 Paholyothin Road, Klong Luang, Rangsit, Prathumthani 12121

Tel: 02-564-3129 Mobile: 086-019-9566

Email: maps.thammasat@gmail.com, nuchanat 26@hotmail.com

For more information:

Bureau of International Cooperation on Human Resources Development

Thailand International Cooperation Agency (TICA)

Government Complex, Building B (South Zone), 8th Floor,

Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND

Tel. +66 (2) 203 5000 ext. 43305, 43306 Fax: +66 (2) 143 8451

E-mail: tipp@mfa.mail.go.th

***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/ territories.

Course Detail

Master of Arts Program in Diplomacy and International Studies (International Program)

Course Title: Master of Arts Program in Diplomacy and

International Studies (International Program)

Master Degree: Master of Arts (Diplomacy and International Studies)

Academic Institution: The Institute of Diplomacy and International

Studies (IDIS), school of Politics,

Economics, and Globalization, Rangsit University

Duration: 2 Years (August 2021 – July 2023)

Background and Rational

IDIS was established on 22 of March, 2006, with an aim to meet the challenge of globalization and the increasing demand for world-class professionals in International affairs in Thailand and the Asian region.

DIS with its multi-disciplinary approach, became the first institute of its kind in Southeast Asia. The establishment of DIS is an important step in the implementation of Rangsit University's Road Map to excellence strategy, which created qualified graduates for the region and the world at large.

Objective:

Many career opportunities are open to IDIS graduates, especially in Southeast Asia and broader Asia where there is significant demand for graduates knowledgeable in politics, international relations and development studies. Opportunities include positions in government ministries, international organizations, non-governmental organizations, think tanks, the media, international businesses and educational institutions. To increase their opportunities many of our undergraduate students progress to postgraduate study at IDIS or at other universities across the globe.

Course Synopsis and Methodology:

Master of Arts Program in Diplomacy and International Studies (International Program)

1 st Year

| 1 st Year | | | | |
|--|--|--|--|--|
| PLAN A | PIAN B | | | |
| (Academic subjects, and Thesis) | (Academic subjects, and Interdepend Studies) | | | |
| Semister 1 | Semister 1 | | | |
| IDS 603 International Politics and Security 3(3-0-6) | IDS 603 International Politics and Security 3(3-0-6) | | | |
| IDS 604 International Law and International 3(3-0-6) | IDS 604 International Law and International 3(3-0-6) | | | |
| IDS 605 International Economics and 3(3-0-6) | IDS 605 International Economics and 3(3-0-6) | | | |
| International Business | International Business | | | |
| Total 9 credits | Total 9 credits | | | |
| Semister 2 | Semister 2 | | | |
| IDS 606 Global Perspectives on Public 3(3-0-6) Diplomacy | IDS 606 Global Perspectives on Public 3(3-0-6) Diplomacy | | | |
| IDS 607 Negotiations and conflict 3(3-0-6) resolution | IDS 607 Negotiations and conflict 3(3-0-6) resolution | | | |
| IDS 608 Political Economy of Asia 3(3-0-6) | IDS 608 Political Economy of Asia 3(3-0-6) | | | |
| Total 9 credits | Total 9 credits | | | |

2 nd Year

| PLAN A | PIAN B | |
|---------------------------------------|--|--|
| (Academic subjects, and Thesis) | (Academic subjects, and Interdepend Studies) | |
| Semister 1 | Semister 1 | |
| IDS 609 ASEAN Integration 3(3-0-6) | IDS 609 ASEAN Integration 3(3-0-6) | |
| IDS 661 Research Methodology 3(3-0-6) | IDS 661 Research Methodology 3(3-0-6) | |
| IDS 699 Thesis 3(0-6-3 | IDS xxx Elective 3(x-x-x) | |
| Total 9 credit | S | |
| | | |
| | Total 9 credits | |
| Semister 2 | | |
| IDS 699 Thesis | | |
| 9(0-18-9) | Semister 2 | |
| Total 9 credit Total 36 Credits | IDS xxx Elective 3(x-x-x) IDS xxx Elective 3(x-x-x) IDS 697 Comprehensive Examination 0(0-0-0) IDS 698 Independent Studies 3(x-x-x) Total 9 credits | |
| | Total 36 Credits | |

Applicants Qualifications

The program is open to students with or without prior knowledge of politics and international studies who wish to increase their understanding of globalization and current events in international affairs. Students will gain a comprehensive understanding of various aspects of diplomacy and international relations, and also have the option to write a thesis/ an Independent Study in their chosen area of research.

Document Required

Identification Card House Registration
Passport (for foreign) 4 Photographs (1 Inch

size)

Certificates Degrees Transcripts

English Language Requirement (TOEIC score minimum 640, IELTS score minimum 5.5)

Contacts:

- The Institute of Diplomacy and International Studies, Rangsit University 52/347 Muang Ake, Paholyothin Road, Lakhok, Pathumthani 12000 Thailand

Website: https://www.rsu.ac.th/idis/ Tel. +6627916000 Ext. 4090

Email: idis@rsu.ac.th

- H.E. Sompong Sanguanbun (Dean and Program Director): sompong.s@rsu.ac.th
- Nipa Arkarin (Administration): nipa.a@rsu.ac.th

For more information:

Bureau of International Cooperation on Human Resources Development

Thailand International Cooperation Agency (TICA)

Government Complex, Building B (South Zone), 8th Floor,

Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND

Tel. +66 (2) 203 5000 ext. 43305, 43306 Fax: +66 (2) 143 8451

E-mail: tipp@mfa.mail.go.th

***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/ territories.

Course Detail

Master of Arts Program in International Development

Course Title: Master of Arts Program in International Development

Master Degree: Master of Arts Program in International Development

M.A. (International Development)

Academic Institution: School of Social Innovation, Mae Fah Luang University

Duration: Two (2) academic years (August 2021 – May 2023)

Background and Rationale:

The Master of Arts Program in International Development is an English program aimed to strengthen students who seek for knowledge and skills in International Development. The curriculum is designed to be interdisciplinary and cover several aspects of international development practice including theoretical, debates, project planning and management. In terms of issues based on the location of the university as well as the expertise of lecturers, borderland, transboundary and transnational issues with receive high attention.

In response to the changing global-regional landscape and development in social, political, economic, and environment that has become more integrated with highly mobility of people and resources in the globalization era. This program is an interdisciplinary program that will provide comprehensive and intensive knowledge from both theoretical and practical perspectives through various academic disciplines.

The core of this program covers various academic areas; people-centered development, development cooperation, peace and conflict management, disaster, resources management, as well as human security in various categories including food security, sustainable development in the guideline of sufficiency economy and sustainable development goals (SDGs), which are seen as the key for future regional and global development in the 21st century.

Therefore, this curriculum will also promote this value through subjects focusing on cooperation and research linking several partners and stakeholders. In addition, sharing the border with less developed countries, this program will also facilitate students from neighboring countries for their capacity building so that the regional disparity will be lessened and cordial relationships will be enhanced.

The structure of the program is divided into 3 parts: required courses, elective courses and thesis. With the emphasis on practical skills, students are required to apply field works as one of the main research methods.

Objectives:

This program aims to produce graduates with the ability to address global agenda in the area of international development, especially the border issues. The program also aims to

educate the student to have understanding of theories, concepts and practicality of borderlands and management of transboundary issues in the Greater Mekong Sub-region at all levels of analysis (local, national, regional and international contexts).

Course Synopsis and Methodology:

1. Study Plan
Plan A2 (Course works and research)

| Year 1 | | | | | |
|-----------------------|--|------------------------|--------------------|------------|----|
| Semester 1 Semester 2 | | | Semester 2 | | |
| 2301701 | International Development, Bethinking | 3 | 230xxxx | Elective 1 | 3 |
| 2301702 | Development: Rethinking Human Security and Governance | 3 | 230xxxx | Elective 2 | 3 |
| 2301703 | Peace and Conflict Studies: Theories and Practices | 3 | 230xxxx | Elective 3 | 3 |
| 2301704 | Research Methodology | 3 | 230xxxx | Elective 4 | 3 |
| | Total (credits) | 12 | Total (credits) 12 | | 12 |
| Year 2 | | | | | |
| Semester 1 | | | Semester 2 | | |
| 2301791 | Thesis | 6 | 2301791 | Thesis | 6 |
| | Total (credits) | s) 6 Total (credits) 6 | | | 6 |

2. Course Content

Plan A (2):

| | 1) Core courses | 12 credits |
|---------|--|------------|
| 2301701 | International Development: Rethinking | 3(3-0-6) |
| 2301702 | Human Security and Governance | 3(3-0-6) |
| 2301703 | Peace and Conflict Studies: Theories and Practices | 3(3-0-6) |
| 2301704 | Research Methodology in International Development | 3(3-0-6) |
| | 2) Elective courses | 12 credits |
| 2301705 | Development Policy: Practice and Advocacy | 3(3-0-6) |
| 2301706 | Regional Cooperation and Cross-Border Mobility | 3(3-0-6) |
| 2301707 | International Security in the New Era | 3(3-0-6) |
| 2301708 | Civil Society and Transboundary Resources | |
| | Management | 3(3-0-6) |
| 2301709 | Development Project Management | 3(3-0-6) |
| 2301710 | Capital Mobilization for Development: Investment, | |
| | Aid, and Debt Management | 3(3-0-6) |
| 2301711 | Community Resilience and Inclusive Growth | 3(3-0-6) |
| 2301712 | Human Rights and Development | 3(3-0-6) |

| 2301791 | Thesis | 12 credits |
|---------|--|------------|
| | 3) Thesis | 12 credits |
| 2301721 | Special Topic in International Development | 3(3-0-6) |
| 2301714 | Historiography | 3(3-0-6) |
| 2301713 | Gender and Development | 3(3-0-6) |

Graduation Conditions:

- 1) The students must complete all courses required in the curriculum and have a GPAX not lower than 3.00.
- 2) The students have presented their thesis and passed the thesis
- 3) The students have submitted a complete thesis according to the format and number required by the university.
- 4) A thesis paper must be published; or a thesis paper or a part of it is accepted to be published in an academic journal(s); or the paper is presented in an academic conference in which a full thesis paper is published in the proceedings. The regulations regarding publication must in accordance with the program conditions and the university announcement.
- 5) The students who need to complete their degrees must have taken one of the following English Proficiency Tests prior to his/her thesis defense:

| Types of Test | Required Scores |
|---|-----------------|
| TOEFL (Paper based) | 437 |
| TOEFL (Computer based) | 123 |
| TOEFL (Internet based) | 41 |
| TOEFL (Institutional Testing Program) Level 1 | 500 |
| IELTS (Academic module) | 5 |
| TU-GET | 450 |
| CU-TEP | 45 |
| CMU-eTEGS | 60 |
| MFU-TEP | 50 |

^{*} The English Proficiency Test result should not exceed 2 years since the exam date.

Applicant Qualifications:

- 1) All applicants with a bachelor's degree in social science, political science, international relations, sociology, anthropology, history, humanity, and related fields with cumulative undergraduate GPAX not less than 2.50 to join the program.
- 2) All applicants are required one of the following English Proficiency Tests with a minimum score for graduation:

| 3) Types of Test | Required Scores |
|---|-----------------|
| TOEFL (Paper based) | 437 |
| TOEFL (Computer based) | 123 |
| TOEFL (Internet based) | 41 |
| TOEFL (Institutional Testing Program) Level 1 | 500 |
| IELTS (Academic module) | 5 |
| TU-GET | 450 |
| CU-TEP | 45 |
| CMU-eTEGS | 60 |
| MFU-TEP | 50 |

^{*} The English Proficiency Test result should not exceed 2 years since the exam date.

4) The program admission committees make all admission considerations on a case-by-case basis.

Document required:

- 1) Application affixed with photographs;
- 2) A copy of transcript from attended institutions written in English
- 3) Evidence of English proficiency
- 4) Statement of purpose
- 5) Letters of recommendation from referee
- 6) A copy of passport

Contacts:

Dr. Nichan Singhaputargun School of Social Innovation, Mae Fah Luang University 333 Moo1, Thasud, Muang, Chiang Rai 57100 Tel. +66 5391 6684 E-mail: nichan.sin@mfu.ac.th

For more information:

Bureau of International Cooperation on Human Resources Development Thailand International Cooperation Agency (TICA)
Government Complex, Building B (South Zone), 8th Floor,
Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND
Tel. +66 (2) 203 5000 ext. 43305, 43306 Fax: +66 (2) 143 8451

E-mail: tipp@mfa.mail.go.th

***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/territories.